PROCEEDINGS OF THE MUSICAL ASSOCIATION

Musical Association (Great Britain)



MUSIC LIBRARY





PROCEEDINGS

...

MIISICAL ASSOCIATION

POR THE INVESTIGATION AND

SCHOOL OF STREETS CONNECTED WITH

THIRD SESSION, 1876-77

TOWN

PUBLISHED BY MINSON CHAPPELL & CO., SO NEW BOND STREET,

CONTENTS.

STAN AND RESTAURORS										
Corres no Name o	. 18	L	eur	×						
Strong or the Designer	a.									
Services Assertances	me	1476	1.							
ON THE BOSEFFEE	٠,	-	àn :	. 1	-	400	04	grie.	or	
Free or Messa! B	Ass	2. 2.	tan,	Eng	, ra	LS &	٠.			
On Hanny Process an		Tex	w.	87.		Ore		,		
Book Age or Freez'	Pe	Lane	an.				bc 0	MA.		
On the Panoester or	Hoe		37	т,		h	, Es			
Don. Owner, F.B.S.			i.		ı		i.			
Many or Commonwell	Pr.	5.4	In	011	Zec	, an	, h	. 0.	6.	
Or me Onesane Da				Har	. n	. D	ance.		a	
Keno horazona	10	Ine	m A	STR.	me	, Zeo	, Zie	ورط		
On the Reason Laws			MI CA		. 10	ms."	12			
E. Sanster, Etc., III	ı. X		M.	L O	ď,	Lon			_	ı
Or Description of th	m	n.	ı, n	LOI	Das	um,	in.	FO		

The distinct of the cospetitive Papers are alone responsible for the aptitions expressed in them, as unit as for the corrections of the charterfiess.

BILLES AND REGULATIONS

Found at Two Special General Meetings of the Members, held at 27 Herbey Street, W., on February 7 and April 5, 1870.

Owners are Conversors: Tau Association and is formed

for the investigation and discussion of enhances researched with the Art, Science, and History of Monicy and in intended to be similar in its cognitivation to existing Learned Scienced to be similar in its cognitivation to existing Learned Scienced. In It is not intended that the Association deal give concepts, or understate any publications either them these of their own Penceedings, or the Papears read at their needless.

Moorns.

The Association shall consist of practical and theoretical to the officer of associate, the latency of the art, or that histories to the officer of associate, the latency of the art, or that histories the Axy person desires of being admisted into the Association trust to reconsider for the members.

Misotions will take place by ballot of the members present of or the ordinary meetings, and one adverse rote in fear shall exclude.

No newly elected member shall be estitled to attend the meetings satel the annual subscription be paid.

THE MAPPING

The annual subscription to the Association is one gaines, which shall become due on the first of European is each year. Should members desire to withdraw from the Association, they about give rotice to the Han. Sec. on or before the 31st of October.

Manne

An ordinary meeting shall be held on the first Munday in overy month, from November to Jane inclusive, at 5 nm, when, after the dispatch of ordinary business, Papers will be read and disconsel.

An arrowal general meeting of members only shall be held at 4 r.m. on the last Monday in October, to receive and deliberate on the Report of the Octobel, and to elect the Council and officers in the Report of the Octobel, and to elect the Council and officers

as the aboptive of the Controls, and no start the Controls and ormer for for the control great. Beginning may be summoned whenever the Control may consider it recreasery; and they shall be at all times bound to do so an eventring a requisition in writing from few members, resolutions in a large of the instance to the interaction.

theretoes, spectrying the names of the Relation to be theretoes. At least one week's colors of such special traveling shall be given by elecular to every member, and the manufact present at any general meeting thall constitute a quoesta.

Beery member shall have the privilege of introducing one

vision at the coffency meetings, on writing the mass in a book powided for that purpose, or enaling a written order.

Connounant

Papers prepaied to be read at the meetings may treat of any spirite connected with the Art, Beisson, or History of Missio, Anomalies, and other historial subjects. Papers will be received from or through any member of the Association.

Exercises and performance may be introduced, when limited to the Hastariano of the Praper real. All communications read will become theseoferth the property of the Association (culcus three that here been prepared to the property of the property of the Association (unless three that have been prepared to the property of the property of the property of the Association (unless three that have been prepared to the property of the prope

Barons

A Separt of the percentage of the Association, including the Engar read or abstracts of the seas, and shetness of the Discognition, shall be associated and distribution to the manifests as acces as possible offer the self of such associations. This Report will be increased which by the Emocray Servitary, nature the distribution of the Oreasia.

The management of the affects of the Association shall be restred in a Council, to be elected by habit at the general assesting

The Council shall coment of a President, Vice-Presidents, and ton ordinary manufacts of the Association. The President, Vice-Presidents, Anditson, and fire colonary

The reverses, were restricted and fast orderly sembers of the Council shall settle every year, but shall be eligible for re-election.

At the annual present meeting in Oriober, the Council shall research building in the council shall present in building list above to the names of the persons.

shall present a balleting list, showing the masses of the persons are the officer of President, Von-Presidents, and seriousy members of Doucel for the energy year. A copy of this list shall be given to each sensible present or same from in voting, each nameler and eary name or name from

where norms are accessed when he continue to their trees of the report of the continue to the continue to the first setrespond to effect just the amount of maries in the first after such remain or substitution, must not exceed the number to be elected to the respection offices as observe connected. These like which do not accord with these directions shall be rejected. They Chairman of the preciping shall make into heliciting papers

The Ashreman of the specific shall amona time believing papers be colorised, and after they here has contrasted by brosself and here believed the state of the present the state of the sta

the Association may receive, and at every meeting three members of Opunet shall constitute a quorum.

BRADISERY OF ALTERIOR OF BULLS AND RECOGNITION

No rube and regulations can be consted, strend, or resinded, energy at a special manting of mumbers summered for the express posses, the sommons staining distinctly and fully the matter to be brought under considerations.

Musical Association

THE THE INVESTMENTATION AND DESCRIPTION OF SERVICES

FOUNDED MAY 29, 1874.

OCCUPANT, The Rev. for Passausce A. Cong. Burt. M.A., Mrs. Doc. Own.,

Garre, Gaussa, Esq., D.C.L. (For Pranter) "Ernnar, Jone, Esq., LL.D., Hou Man Anni, Sc Cooks, Some (Pine-

Macronner, German Acatagram, Eq., Man. Dor Cardo, Parl Terr. Cardo, Discopular the Expert Analomy of Mana (Far-Fronting) "Moor, W. R., Esq., Pool News, King's Coll Leader Tremas, Probact June, ESS, LLD (No. Propher)
Tremas, Probact June, ESS, LLD, No. Sc (Par-Propher)

**Natures, Wallans, Eng., Ed. A.
**Chromes, Conce Annances, Eng.
**Pers, En William, E.-R.S. Min Day, One.
**Personnesses, America E. D. Loy, M.A.
**Personnesses, America E. D. Loy, M.A.
**Personnesses, America E. M. Loy, M.A.
**Personnesses, Loy, A. M. Der Conc.
**Princes, Br. Jiney, M.A., Min Der Conc.
**Princesses, Br. Jiney, M.A., Min Der Conc.
**P

TREMURER.

AUDITORS

Witness H. Crouwer, Esq. Change Error Supreme, Esc.

HONORARY SECRETARY Course & Secretary Str., N Schoolsel Garden, W.

Atlane, William Guplin, Etc., M.A., Sennet, W.A., Etc., Mo. Y.R.S., Perkenter King's College, Mary, C. A., Etc., Mary, C. A., E Hay, Mos. Rec. Ourse Rec. M.A.

ancora ecolisad Bellevy, The Rev. J. B.D. Provident | Garrier, Marriel, East Garrett St. Fac., Man. Dec. Corn. lenedet, for Julies, Ket. dill, Wilkiss Reary, Esq. Gladeton, W. H. Esq. & P.

PRAD. ECO. Prior of St. Green, W. Hall, Eng. Green Group, Esc., D.C.L. (Flor John's College Owen. Salthe Hamilton, L. Pay. School The Ster St. M.

bridge of E.J. Son. bridge J. Roofk . Eq., Max. Doc. Onco., Demanton Depair Or-Higgs, James, Esq., Ston. Sec., Onco. Strike, Henry, Esq., Ston. Doc. Onco.

Proton, J. Bodgwer, Res. & R.A.S. Trowns, Learne, Sci., FR Ob., 100 States, J. W., Reg. Mex. Dec. Science, Electr. Sep. Dillo, S. V., Do. Studies Street 2 , Sec , Org Terrete

College, Milesi, Esq., Channell, Willess, Toy, Ed.A. Hopper, Balend, Beq. M. B. Hos. Mark. John Esq. M. B. Hos. New Acad D. Oeffer, Rose Chappell, Arthur S. You (Treasure) (Fine President) Entire, Cape C. E.

Cobb, Gened E. Rey, M.A. Trie Copulet of the Pateria, Van Street, Titter, H. J. E., Esq. Ch. Ck. Ggen. Call Cank. Colds, G. Ney, Coloritys, Anthor Dale, Eq., N.A. Collect, John C. Tao, Collect, W. S., Ser.

Juda Brepanis Z. E., Req. Her Cognite St. Peters, Missilsoter Escory, T. D. Eng Knot, Osmili, Sep. Countries, Major George A . M A Excellent Man Norman Crow E. J. For Max. Sec. Cutch. Long, Heather's, Eco.

Organist Eiger Catholini Counsign, W. H., Esq. Carwa, J. S., Teo. Engreether, Edward, Esq. Montheren, George Alementer, Esq., Was Don Gartah, Ford Date Barren, J. W., Say, Barren, H. C., Hop. Barren, H. C., Hop. Dance, The Marr, R., B.D., St. Jo. Andere of Mara (For-Fron-Liopi, Gharles H., Say, M.A., Man. Inc. Casa. Ore. (Concepter

McOrough, Major McNeught, W. O., Esc Kalind H. R. A. Do. Herthed Ells, Alex, J., Eq. DA., FR.5 Marin, Angers, 1909. Mar, Had of M.A. Per, Max Ban, Oann, Ella, William, Rey, F.R.A.R. Own (Kinder)

Trickeline Man Parent, John, Rey. N.A., London, Physics. W. W., Esq., N.A., London No. Com. Mork, W. H., Esp. Post. Eng's Mork, Edwin Googe, Nee, Max. Box. Once. Edit S. Ore. York

House, D. Sensing, No., M.A., Oriol. | Standard, O. Williams, No., N.A., Organica Treatly Cold County Sustainery, Hugh, Sec. M.A. Statley The New Wo. E.A. Wes.

Montgomery, Eco. Normal, Julia, Eco. 7 J. Eco. loo, Durham (Ellemon-Port Charling Orle-Moure, M. Fan Sterilgein, Thomas Lee, East, East, Stephens, Charles Street, East, Oshorna, Guerra Alexe, Esc. Ohley, Edward J., Sa

Done, Iv W. S. MA. ERCP. Sulfree, Archar S. Tey, Man Don. Parkeyer, P Personal Western Proc. West Ton Crays

Paner, Erwart, Tag. Pols, Win, Erg J. H.S. Mos Goo. Own Topier, James, Esq., Mos. Soc. Cunn., Organier New Onleys, Once. Denderson & H D No. M A

Principal, A. H. D. Treater Da Sew C. M.A. Ton Cell.

Trustical, The Est. John, M.A. Teratali John Fac Rayleign, Loui, M.A., E.R.S. Romed, V. O. Romedt, Esq., M.A., Typical Professor John, F.R.S., LLB.

Zun Open (Great Marriet) w Zec. No Venner, Mrs. Forderen Verticut C. G. Esq. Nos Bon. Boss, Carl, Esq. Walter Tip For N. Aston M.A.

Ward, Mar Waters Medical Em. Walso, W. Seq. N.A.

Williams, Robert, Esp., M.D.

Wylds, Heavy, Teq., Max. Doc. Cor-Strates, John, Esq. R.A Max Box Ones, One for Peal's Code-deal, Zemnerwine, Mast Agner

OF THE COMMITTEE.

Bend by the Honorety Secretary, Chanton K. Salaman, Enq., at the Annual General Heating of Members, held at 27 Harley Street Channaliah Smarre, on Machin, Gatalor 30, 1876.

Tour Committee have the pleasure of presenting to the members of the Musical Association their Second Annual Report.

Notwitheheeding naturalished lesses from death and retireness, they are large to state latte to cannegal contenção of the Souriety remains recompanied, and now amounts to IVO enterbees. Now that and regulations have been passed at two openal Outside Meetings, bell expectivaly on Privacy 7th and 21th 21th. They are published with the values of proceedings leady assumants from a Masses. Compail & Co., 100 Now Bond Bond. The followings have been the Semestral Assumptions for

3975-70 — Fire Meeting—Menday, November I, 1875. Paper by Charles Kenwegton Salarman, Evg., Hon. Most. Acad. St. Cecha, Rene,

On Mastria Dritteran'
Second Meeting—Menday, December 6, 1875. Paper by
William Pols, Seq., V.-P. S.S., Max. Don Ourne, 'On the Graphic
Method of Recommender Messed Interests.' With Ultratestion

Without Post, Sag., v. F. S., with 100 Dinn., "On the composed Method of Representing Meaned Interval. With Distriction of the Opentraction of the Maximal Scale."

Field Meaning—Meaning, January 5, 1676. Paper by the Rice. Sir Frederick Once Occuler, Burk, M.A., Man. Boo Guon, Perfessors of the University of Oxford, President of the America.

Prefessor of the University of Oxford, President of the Associations: Countrestion on the History of Reclematical Mosic of Western Europe: Pouril Mestrop-Manday, February 7, 1870. Paper by Victor of Postgars, Sea, 'On Kethioferam'. Paper by Professor W.

Feurik Meding-Mondey, February 7, 1970. Paper by Victor do Predigny, Ben, 'On Kethiofenne'. Paper by Professor W. H. Monie, of King's College, 'On some Points in the Reserved Machad of Winning an Orchestral Boson.'

Fight Meeting—Mendey, Morch 6, 1876. Paper by De W. E. Bone, F.B.C.P., X.A., On Standards of Meeting Patch Stath Meeting—Montage, April 3, 1876. Paper by Level English, E.A., F.B.S., On our Proception of the Direction of 8 Donce of Bound.

Royleigh, M.A., F.B.S., On our Pressystem of the Direction of a Bource of Sensal. Served Metalog—Scooley, May 1, 1870. Paper by Professor William Gryth Adams, F.R.S., On the Minical Inventions and Disconnection of the late Ser Charles Williams.

xir Miresto of the Annual General Meeting of Monthers

Eighth Henting—Monday, Jone 5, 1876. Paper by Lennon Berwas, Eng., F.R. C.S., Edin, Bin, Bargeon and Annal Bargeons to the Royal Scoting of Functions, European to Mar Majority Boline Open, &c. 'On Modical Science in Estellan tests Vates as Matrial Sciencesco.'

It will be seen by the foregoing that the Association has been the total state the high standard of countils interest in the concurratations the high standard of countils interest in the concurratations addressed both which was originally contemplated on the institution. At the same term the Countilized high is suggest to the steaders posserily that much underside advertised advertised and the countil of the control of the part is smooth of the perspectation of no described a countil on. They were too hape that short papers, arrend when high the taken on the same countils, and previous high-

coling discussion, may be frequently contributed in the course of the excitage controls.

If the control position of the Association is unusually estimated freedom positions of the Association is unusually estimated from the control between estimated by Dr. W. E. Stone and Mr. Achter D. Peredenman.

In accordance with the new rules and regulations, the issuitant here this day to aloot a President, Vise-Previous, certizary Hershers of Connell, and two Andition. The Eccotifive-has halberto consisted of nice newhere, termed

the Conscities.

By the new rules this number is to be relied to ten, to be called the Connell—five members of which are to refer each

The Provident, Vice-Providents, the collinary Manufers of the Countil, and Anthors, are eligible for re-clotten.

The Ottomore said the most business was to belief for the

The Obtainer wall the mest business was to balls for the Cenzal and becoming officers for the entirgy year. Dr. Braces and they had now such as excellent let of members, that he fail were officiared in relienting effect, unless root hattractly, that he sheald not feel the slightest disappointments it finding his mass left of our this counter.

Mr. Personnair expressed binnelf to the same officet.
The Homesan Security and he had received a letter from
the Pole, who was investigate in their stringing in effect what

Dr. Stort and its shorted but feelings of the greekeness who had already spokes. They were quite willing to go as obey that destinated that the state of the stat

Minutes of the Assual General Meeting of Members.

should therefore bog leave to culter, if he might be permitted to do so.

Mr. Symptom said he should vote for all the present members of the Connell, but he haped that on future consense the list would be propored in sych a way that for number; might see

would be gripperd in such a way that the members might see which fire of the Cennell were to refire socceding to the rule. The whole of the Council were then re-clotted for the surning pars.

Class E. Stephens and W. H. Cammings, Esse, were elected

Class E. Stephens and W. H. Germange, Esqu., were also deallities for the country year.

Onto Goldschmidt, Esq., was elected a Vice-President.

The Howevery Supercourt and he hoped that the mumbers

would exect formulates facing the center summe to proceed practical propers, and that they would do as whitch hoins nece speaking karded. He then read a bit at papers already for the process of the process of the process of the prolemant of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the protocol of the process of the process of the process of the protocol of the process of the process of the process of the protocol of the process of the process of the process of the protocol of the process of the process of the process of the protocol of the process of the process of the process of the protocol of the process of the process of the process of the protocol of the process of the process of the process of the protocol of the process of the process of the process of the protocol of the process of the process of the process of the process of the protocol of the process of the process of the process of the protocol of the process of the process

two or three of which might be taken in the some revenue. Dr. 2000s agreed that is one very describe in here sharp papers, even more on subjects blody to lead to an interesting discussion. It was not at all necessary that they beard always have a long energy containing a subject, a contain-neighbor, a size-to, and a condessor.

Mr. Structure proposed that Mr. Sakaman he requested.

hindly so continue his sewices as Honeracy Scentury. In making that groupoiston, it was hardly accessing to detain the making that ground the interdistance sewiness he had already rendered in the Manical Association. They have the great demands that such no office made so her relatable time, and when they found Mr. Sinkman on willing to great their time to the Association, they must see that he was least and sent in the work, and that he was "the right made in the great part of the service, and that he was "the right made in the great place."

work, and that he was "the right men in the right place."

De. Strow seconded the recolation, which was carried seasonedly.

Mr. Statest and he should be heppy to continue to perform

the factors of Handary Resident as you as the both's not before not find the factor of Handary Resident of Fig. Handard Association was slveny in his thoughts, sed by small case his redistraction to parents the occurrence would come more paratizately forward, and softwide part in the presentage to proceedings, not he had bopped that writey member would trained his translate interest Section-lives in the chapter of the factor of the part of the part of the proceedings, not he had bopped that writey member would trained his translate interest Section-lives in the chapter of the Association.

number would reduce his friends to interest themselves in the objects of the Amounting.

Thanks were then voted to S. Arthur Chappell, Eng., for his services as Trocurer; to Charles E. Salamon, Los, for his service as Hanney Scening; to the Andhers and the Manhers of the County.

SESSIONAL ARRANGEMENTS

POR 1536-17.

First Monting.—Monday, Nemashar G, 1876.
Paper by Asan J, Estin, Eug., Ph.S., On the Sensitivatess of the Rev to Pitch and Change of Pitch in Muner.'
Round Monlay.—Munday, Documber 4.
Paper by W. H. Oberson, Day, 'On Henry Parcell and

Third Meeting.—Meeting, February 5, 1977.
Poper by June Hoos, Eng. Man Boo Onea., 'On John Schullan Books Art of Popus'

Pourk Mering -- Honday, March 5, Peper by William Plat, Esq., Mas. Doc. Ozon, F.R.S., On the Philosophy of Harmany.

Pith Mentay—Houdey, April 2 Payer by W. A. Batterre, Esq., Mes. Boc. Onco, *On Music in Cathedrala.

Stath Meeting.—Menday, May 7.

Paper by Stratus S. Statutes, Enq. Zeroneykon, 'On the Gymnatta Training of the Bland for Performing open Kered lantraments.

Smooth Hesting.—Monday, Jone 6.
Physic by Chanast K. Barawas, Eng., Hon. Mem. Acad. St.
Confin., Bonn., 'On the English Language as a Language for Masso.'

Eight Mothigs—Mondey, July 2.
Paper by H. Esserr, Esq. E.C.S., 'On Improvements in Transports,' Business by his "Telephonic Transpot".
Paper by E. H. M. Bestroop, Esq. H. S. E. R. J. S. C.S., 'On Sone Points in the Harmony of Perfect Conceances, Hantmade by his Nationaless bi-Harmonian. GEORGE ALEXANDER OSBORNE, Esq., 10 TER CRAIR

ON THE SENSITIVENESS OF THE EAR TO PITCH

By ARRASSES J. Exact. Rep., R.A., F.R.S., P.S.A., &c.
This principal aim of the present paper is to bring before the
Manual Association some results obtained has another from

samenas and vary merital argentinuits by Dr. W. Perrye, Perfective of Diputaging in the Internety of Sam, because this areration or not assessible in an English Sera, and more to have a difficult purpose in a contribute a mode of propositing prices to contribute purpose in a contribut a motion of representing prices to increase, which shall be more consents to the bolden of messession of the contribute of contribute, included and formular the contribute of the contribut

as the storget terriest terriest story is particulor at an excellent second. As this releast in operation on the length of a path described in a given terriest was even providing take of any function, or expression of the path of the

from physiologically), an informal is measured by the radio of the pith of the lower to the pitted of the higher ands, and is smally represented by an improper fraction in which the larger annels in the numerical. The principal large interests which will be ". Diver the Orence der Trenstendanung on the Luntze of the Parcessing of Maried Yong, Jenn, 2002, patient dead Antonia 1935, when here considered are the Octove-1, the Prith § the Forth § the major Stath §, the reager Tried § the miner Tried § the state Birth § and the major Year § The miner Tried § the state Birth § and the major Year § The miner Tried § the Material Fradion accorda (2), and the Internal Privation § will not be considered, because Dr. Pryce the not unrestigated between the large marker of intervals differing from the above by very small large marker of intervals differing from the above the year parts of the private which have no regicles means, will reprobe stations.

the control of the co

paragrant at the may and home series at a mode of measuring consider in accuracy of a till second for all the confidence of the late of the confidence of best it may remain, inclinate any that the bestip state of best in the confidence of best in the confidence of best in the confidence of the confi

tones accorded its reascentiss. Before examining this, however, it is restlying Appear's Terrowvier in the Lone Kathbrian of Susantia Restraineds, I consist the beats dering Discoverie. An error of one basis sould therein his bottom only probable in even of one breath of the control of the

is measury to have a means of noting small deviations of pitch in a way which, while it is conscent with the mining behild of municipits, shall rust upon a straight ariskmetical base. All minimum are families with the Oriers, and accustomed

see measure with the Otters, and absence of which the whole senge of measure all neares for the Otters. This amounts to educating a series of teas on the principle of continued by multiplying the corresponding transfer of revisions by a Arikhavitaely, we are therefore bound to begin within the Principles of the Arikhavitaely, we are therefore bound to begin within the plant of the principles of the other and the semilar than the principles of the other and the semilar than the other than the selected in the lattle? Then from 2 by 16 d. anneals that one to a besterick in these? Then from 2 by 16 d.

the first Outsie. Al 4, or write 2, we multiply more by 2, and have the second Outsie. The Outsies will these correspond with the numbers of wheatings with which they begin, then-Out 0 1 2 2 4 5 6 7 8 9 10 11 12 White 4 4 15 cm at a 10 m sec. 19 2 most Outside 2008

And so not. Segments the name O.D. R. do to sever it says foots, the names of the Octons prefetch: the SF means it in the field Octons. The Octons being clearly supposed to begin the field Octons. The Octons being clearly supposed to begin except the Common of the Octons of the Oct

rv., as cover the whole maps of ascel wheetien of pitch.

The simple contrinues for making the Octave variation of standard pitch shristes a real number of difficulties. Observe the following arguments —

ACm10 vin mensa C in the Sah-Cooten Octore, or deable ander-recented or under-kned Greet Oriove, O₁ or O or trains induced Great Octore C₁, or twice negatively indexed Great Octore C₂ or C², or 32-deet Octore, or tribe recented Great Octore C₃ or C², or 32-deet Octore, or

urbely separated Urnah Orders OOÖ. 10—32 th means G in the Conten Cetarse, or once underactionist or under-Sand Great Outare G, or G, or occurational, or case negatively industed Great Octors G, G, or O'', or 16 field Outare, or darshy repeated Great

• This solution of 2 as the trifful girth imade on purely stiffundately protect. The mass of terming when we want the employed complication, the mass of terming or they assumed the employed complication. The trifful complication of desiring or the less standard girth for the complication of the trifful complication of the trifful complication of the trifful complication of the trifful complication of the forest of the power of \$1\$ that gives the number of the Oriente of the trifful complication of

On the Sensitiveness of the Eer to

60 m66 vib means 0 in the Great or 8-feet Outers, with one large 0, without scorets or influes, the lowest note of the Visionaclia.

7Con116 vin cases: Cin the Small or 4-foot Octove, with one small c, without accounts or indexes, the lowest soile of the Tener or Viola de Brasele. 8Con256 vib seems C in the case accounted or 2-foot

Octove, with a small c and one anche accord as d', come over-lited c as ĉ, or ivorienal c's asi co, commonly salled 'models C,' locing on the one larger into between the best and lockly sivue.
2 Conflict vite means C in the twice accorded or sucke over-

Indice via makin to in the two-scorning or twice overland or 1-foot force, with a small or and two annie scorning as o', or two limits of it there mail o's se co. 100-1100 with means of in the there scorned or 2-foot Ockers, with a small o and these names accounts or ever limits o', or 2.

And we set be Light- Colorens, the creative of the Coloren high γ comes than the sample data decourage on exceptions. We form that the Light of data decourage on exception with the large colorens of the large colorens

Now take an imaginary diagrathors of a pianofarts, 40 both iningula, both 41 the beginning and at the sent of each 40 technic introduce a single string which on being strank whence seasoft 100 in 1000 ¹⁴ the non-time in reproducence. We take that howe a 100 in 1000 ¹⁴ the non-time in reproducence. We take that howe a (Clobel 3), in which, her occurrence, the long for of 40 facts in (Clobel 3), in which, her occurrence, the long for of 40 facts in 10 season than loss on attacked by longle architects, and to a close oppositionnous to the 100 tent of 2. Observe that [43] green that welllates a pyramination of 100 tentpoin 10 (100 tentpoin 10) in all is sention of promonents of 100 tentpoin 10 (100 tentpoin 10).

names approximations if (too imps) and if (too small). It will be senby Table II, of II, believe, that the wheelman of A not to those of Ag an LABLES in LTM, Which provides above ratio. A whole Thom in crymody pained 1000 a 1000, which is intensively been than the Higher Tree I + I, and provides them to Minor Cone 100. divided into 12 lines of 40 inches each, and the note which each are one also begin the next as indicated by the nexal name which

ar passa et une begrantig ned mod of mod him.

But this is will a very copy destricts. We can residity
imagine 9 celar strenge i trivalence between the extremes of residting and of the strenge i trivalence between the extremes of residper qual interval, which supercised the Transp system can be a Such as returned, which supercised the Transp system can be a present constant by \$1\frac{1}{2} = 1\frac{1}{2} \text{c.}\$

But the first is a triver with the present of the street which as a 00th Supercise that Such and the supercised with the answer of the supercised street of the supercised with the supercised street,

as a 00th Supercise that Such as the supercised street,

as a 0th Supercise that Such as the supercise of the supercised street,

but the supercise of the supercised street,

as the supercise of the supercised street,

but the supercise of the supercise of the supercised street,

but the supercise of the supercised street,

but the supercise of the supercise of the supercised street,

but the supercise of the super

this will be given presently.

We must carry this division farther, and suppose that between such pair of strange, which give noise separated by a fifth, we introduce 9 other strings separated from such other by 6 tenths of an inch and successful or man intervals, which remarked 10.

introduce 9 ether strings separated from each other by 5 sealest of so inch, and proceeding by queen interests, which repeated 10 street well produce of this Book in interest, which will be naturally officer of this produce of the sealest produce of the naturally officer in the sealest sealest produce of the sealest produce \$10 will be in well on interest which are cover shaper than \$10 will be in well on \$10.0 to \$10.0 to

and find to interval which in the hard part of x conf, and may be earlied and. The resized a rail as \$\frac{1}{2}\text{ to regize to interval which it is break in the constraint in agreement of our to approach when the notice are strong the more of an expectation when the notice are strong the constraint in the const

In the diagram the three new merical by alternate black and black possible operate, the upper boundary forming the last considered. The separation of the solutes gives the portion of each

source. The separation of the soleons gives the justime of each indicated, was collected. By up no mean large or wracidity, but for the purposes of parties; by the feaths of the integering key local has been included in the smales, depother than 18 parts of a clouder such, that has included in the smales, depother than 18 parts of a clouder such, that has included in the feather of the anticle distinction is, heavier, retained in the large of the collection of the state of the collection of the state of the

- more, or compa, manue a risal, but the more fraudi inself had no be assisted because in the money of relablation intervals, the migral Facility, or §, and the minus Tatals, or §.
- and the minus Tatals or §.
- and the

tible is a geometrical line. The cent and rail are determined by a rails, study fears, such cent them propressed by a space of a tenths and ready and the section and ready for each of the study of the tenths and each rail by one of 6 handredship, that is 1 (trendy link) as a fine, occurring a dy- such, in the non-mall to be noted even on a taylored of 40 from the factor. The mark the position of very perturbate raing or use for extraolating 4 tenths and the study of th

smally shows the laterack, even in a large diagram. Are yields not then forms found to the convent sell set 4 time by whething that is to so many Outs, so many ears, so many if the enemany entry, also many with even many of the enemany of the enemany entry, also many with even many of these set of the forest time of the enemand of the

It is evalued that, by a belowing calculating, this genelect does would could be a few field to want number of vit, just as assumed of the woods give us the occupion result in our. By Table II. this enfortable is reclaimed to emphy as higherone as real long directors, which, though rather heighty him we win to one of the state, it would probe the supplier than the transit processor and the named in, and to when you for the state is proceeded as the named it, and to when no references to other share.

some a framework of brother to selections in their today, where the contrast of the state of th

• Ex cader to be visible, the pointees were really short A coch wife as the bottom, but the measurements were determined by the revised side. § for enougher of this tools of expensing point in Tables IV, and T. 2 in Table III, a meson is given for finding OC form may raise of \$A' one form our number of intervals following any given relations of intensions with one and corteinty. Bergoning wo stryped at cents, the ideal Octave would consist of 1,231 strings such 6 brackwiths for one twenty (20) of an inch aspectal from the numeral reciphbons and covering 45 but in leasth as in the dismanages freelymout, and covering to need it sength, as it the calfor 12 octover, we should have a keyboard 690 feet look contain. ing 14,401 strings. Now, proporterous on this may appear, it is a very close reconsentation of the actual constitution of the cochles in the internal ear, which is of course microscopic in detect This costs in (according to the latest esiculations of Hennes, or cited by Dr. Preyer, p. 41), about 15,400 capillary nerve three, which act as the single strings of our ideal masseter measures. and are struck, not by harmore, hat by the extrations of a pocu-liar fleid in which they fleat. When we assend on a pinne, we by storughe at a certain ductal. Thus also in the car we pass over the norve thatle in succession, and in the ritch by stoceing at one of them. The only difference amount to be that that on our sited mans we have made the number of strines in each in the car it is probable that the intervals differ, and that the number of nerve fibrile is different in each octave. We must also remember that you fee rectical topic on service to that the motion of the field affects a number of floris at the same time. and with unequal frees. The ski experiment of mixing the damners on a flat place, and shorting a vessel on to the sometime board, which will be in a small, but appreciable fraction of a second re-eshoed from the strings, exhibits the solute of the whole mechanism with sufficient constants to make it compre-

where the property of the pro

On the Sonsiliveness of the Eur to

For . And "it is related that these nanowers that prints, so a time the first of the case, which do not in ground but specifies, may be in the case of the case of the specifies. In the case of the c

with the pitches extended, in Tribe V. Theorembilities satelling memors the difference of a gard content of 200 wills, as evaluary memors the difference of a gard content of 200 wills, as evaluary content of the content of the content of the content of the Hasting speak as much time over the representation of intervalls, by a manuscript process, on as swittening being, in our less than the content of the content of the content of the PV DeV Device on comparing the actual physiological power of comprised by good and highly extinated care, in approximation and the content of the content of the content of the content of the Berth William of the content of the co

The state of the s

for each state is det will, and that by 4 as if him to 128 why. I want to mean the transmission than the normalization than the normalization state of the state

parest times to see some price out making uncertain-parature or see. In those, or Concession, 'De Training an Operation.'

† This instrument was passioned by the South Employee Manuses the close of the exchanges.

I By Proyre goes the following as the final needs of experiments y

Pitch and Chance of Phila in Music.

series on Appears's instrument, most persons heard quite within 23 with the sides (table, consultives should 30 with (engaging with officient) persons), the time sendedly secreted by jump up an experiment of the consultive secretary of the consultive secretary of the consultive secretary of the consultive secretary to the best of the instrument, seemed to been size jump, or we produced by the best of the instrument, seemed to been size jump, over a generally learning the Green selected when the six of the consultive secretary of

as yet discovered.*
The result is, both the existence of the rimph tens 4 Cw16 vil.
In a very detailed, but it may be minimally offsetire when associated as a compound tens with higher quicking, and that 5 Cw
27 vib. is the lowest compound tens of which the lowest partial

can be made musically effective.

The ment question is, What is the highest renerval tone that can be beaut?

vitartions he had to hear, but was more that assessment to shower, an instituted with his our slows to the mood of the antivarient as the west we allowed to the net — 6, 9. No messed tore; an automotioni frictional noise is heard, an

10. In J. J. J. S. Ji. S. seasond beaut the freme is felt, and the value tons are variety in the motion of technique.
16. No convenit many some paramire as absence seasontees of sound.
16. To married tensy some paramire as absence seasontees of sound.
16. To married the properties of the commences, or address.

H. 11. The windston of impacts to the found, many bear as observed.
 With many the researce of tops or distance; the tops in the large profit.

51, 32 Many hear a basesing time.
55, 34 Newyone whose sensesson of hearing in not expected new beam a near-force, mids beamful time.
35, 26, 27, 37, 32, 30, 34 along pitch of the tone increases it becomes loss.

date off, becames sharing, but it is district.

11, 50 The tool is will distinct, but seed,

24, 36, 25, 35e tool is will distinct, but seed,

24, 36, 25, 35e tool is wray shoot and distinct to bear.

Of figuration is to marginary, removaline structures of the ment, as the week part of the size of the

This is not solved. Here Assesses has reade 31 terring foring forming that major scales from 11 Car 20 69 wh to 15 E ... 139 or 187 655 cm = 60000 vth. These were shown at the Loan Rakilifice," end I could hear them all distinctly, when carefully borred at the distance of 190 feet. Up to 14Cm16384 vib there was no difficulty at all, but 15C, 15D4-040, 16E--13f were get carr to low. They were very distressing to many care, though not to miss. Captain Boughas Guiton schilded a means of year. ducing wall bigher tones, but with less power. For musical purof the difficulty of recognisting their intervals, and the many

mechanical turing of such tonse presents encomment difficulties †

Hence the mecorober of Dr. Preser tend to make the practical worked and antendered over 7 Octover from \$C to 12C (SE to 6000 vib), though for the purpose of strengthening partiels, on in ergan mixture stops, 2 Octoves from 4C to 13O (16 to 8122 wh) was The next quovies as, Hore securately sen are estimate pixel by the

ner sale? Which is suits different from the execution. Her some a unstead out. The reconstrument of pitch is encely mechanical. The best means of measuring sensitiveness is difficult to

determine. But without declaring it to be, for a given mitel, inversely prepartional to the smallest number of min perceived or the largest ramber of rath not personned, it is evident that either set of combert will seem as a year convenient scale for the remote of previously the tanetimeness of different remotes. the sensitiveness of every cor seems to vary with the witch of the note under observation. To smooth the somilireness of the ear for pitch, we must

sound two notes to repid succession, with either the same or

different witch, the exact difference having been first determined possible the same in each case. An alteration in new one of these four paints confume the ear. Then arise two constitute—first Are the town different? recognity, If so, which is the sharper? These two canolities see entirely different. Many cars will opened the first correctly which will not answer the second correctly, latter should not ass what leave or unless are teached to supplice. the annul. Excee association has to be taken, also, to have the one and the whole nervous condition fresh and unwessed.

* Three ficks were also purchased by the South Emergeon Mos-

To try his experiments Dr. Preyer had two instruments conatomical by Flory Assesses, a Transpart and a Differential America by Eury Appear, a reconstruction of the Touristics American The Touristic expenses of 13 tours, from 7C m 158 vil. to SC as \$56 vib. proceeding by differences of 4 vibrations, so success. But as the would have given a succession of perfect consegues, Dr. Proper alightly effered the pitches, and carefully measured the result by counting the bests. The exact retch of each note is therefore given in Table VI, in wit, and the som between each and the lowest is agreed. The Differential Assertan had \$5 tones, from \$50 to 501 vit monording by tenths of a vibration, and then 504, 508, 512, 1000, 1000 ft. 2000-4, 2000 6, 2000-6, 2001, 2008, 2026, 2024, 2044, 4086-vib reexectively. Both were constructed with hermonians reeds and a wind regulator, to give a tens which could be depended on,

			recording beats.	
	Deletetro		Pwyer found (p.	
	160			
Bet.				
\$00 505				
553	10	150		persurvol.
600		-200 m		

and beans the difference in the numbere of educations for the stone interval is your different Cambraign all the results, we may state evacually that

but from 6GE to 4GE, I vil to and a sa a so to be best - 1 TO . HC 1:

on, however, give very different inter - 64 6.3 = 100 5 - 116

* The Tensonster with 22 cools (proper true and not altered to for EV

intension, from the great Limma 27 on 1-5., or 2002 sem, to the

puns any danger of not being board he good ours. When the number of vikestions is less than 220, that is, when a note is bespect, they will differ only by ; will, and hence the best ears may facility district the difference. Had four 440 with that is from S.A.

detected. The feeling of a cineer, however, will allow him, even in a tempered and rust Fifth with his note, boats will be impard stelly

temperament at all

tenity of witnessing this as a loctore given by De Stone, as the South Kentegton Massous, on July 25, 1870. This is, however, a different case. The same stager raight not have detected that

two nates. different by a sichious and spended in expression at the much of the higher of his two water, negative differed in gitch. In hermory, the heats monimed by a skinning are very distinct

above S.C. and without them we could hardly hope for econd The above retake refer principally to topes between 7 C and 170 above results refer principally to topics between 7 C and 19 C. Beroud these limits the new-terreses of the our decreases respecially. Below 5 E to 45 50 vib conclused over will not record

and unprestiged care will not recover 2 or 2 vib (the first stres 839 refly, and the second 1.242 sum at 5 H) Above 10 C the sensitiveness probably directions, and other 11C the inclument because very secortain. Unpreclised care, including those of minutes did not distinguish some miner Third in the 19th outers.

although the difference was more than 1000 oft. Much of thes But it is also very singular that reper of these who can tell that the mich is different in the two cases manned any with cortainty which note is the sharper when the interval is small. Out of 300

trusts, in 11 mees the ear could not say which tone was sharper, the difference amounting to 2, 3, and 3, vibretion out of 1000 or 500 (giving in the former case about 7, 10, and 15 mile, and in the latter 16, 20, and 30 mile conveniench). But these 11 absorption

mistaken the sharper for the flatter tene. (See P.S. p. 26.) One practical result of this reconstgution is that, as alreads indicated, in connector the relative accustration of two case, we must give not only the number of sures which they failed on expecteded in designmenting, but also the witch or at least the agreements noted, of the tone on which they were tried. In will of sem, which can always be determined with sufficient exact-

Pitch and Charge of Pitch in Music.

ness by a common harmstom or ginanforie. We may say that a good say for suckess hours an error:

100 min at EQ:— 14 vils, and gradually—less on seconding

50 TC= 228 rejulg : 13 SC= 228 ret so mpility : 13 SC= 228 ret so mpility : 10 SC= 228 ret so mpility : 10 SC= 228 ret so mpility : 128 ret so mpility re Bible : 128 ret so mpility ret r

For internal greater these as when it will be compt for a content purposes to real the sortions concerd to the form that the form that the content purposes to real the sortions can be the form that the content purposes in the sortion content to the six that the content purposes in the sortion content to the content purposes the content to the conten

The the Other that two first appreciations from Districts, the other from Dr. Proper's war invascring. In all I in other case, the other from Dr. Proper's war invascring. In all I in other case, the case of the Dr. Proper's war invascring. In all I in other case, the case of the Dr. Proper's case, the Dr. Proper's case, the Dr. Proper's case, the Dr. Proper's case, the Dr. Proper's case that the case of the Dr. Proper's purposed in the security contained by the reaching explained in Table VIV. I have goven did the security contained on the Property purposed in the security community of the security community of the security community of the security of the secur

Liter, serce Citals, and maper. Teas. The experiments on by means sufficient for many internal specially first the Obsert.

I see that the obsert is a project of the obsert of the observed obsert of the obsert of

4 On the Sensitionness of the Ear to

PRIsh, and major Sinth. It is to be broad that De Preyer may be able to complete them by a larger to-complete of two Octaves, 7 C to 9 C, which will enable the observer to take intervals can confing on Octave, because all these are very intervals and

Antoni Tripe Ger Tutto VI I	Lateral State	Province Street in 18 for	Philosoph of Observer
413	671 671 80 80 80	5 34 5 60 5 17 5 6 7	wahmend (Deleasone) pure heard (Deleasone) mell heard nery well heard tray deleasely heard wahmend
9.16	10	5 S71	well broad, U
	Torr	nelet vour	OCTH sem. TO Octave
6.20 0.16 0.17	D Cu	11	select, A. D. talent, A. D. selont, A. D.
8.66 8.66 93.11	Ďa	1 1	ushood, A, D usheed, D; a trifa k, A unbood, A, D (= tempera Falls)
	Poore	m=4+5 Hb=4	1000 erm TO Ordane
86 10 80-89 4 96 14 99 11 85 1 81 8 37 8 37 8 30	e Property of the Property of	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	unbeard, D unbeard, D endersot, D endersot, D unbeard, A, D heard, A, D post breast, A, D heard, D, o spece b, A well beard, D, U
1 00 1 12 16 31	0 03 24	# 2 # 4 # 60	unboard, D unboard, D unboard, A, Dju tmos toot Obelianoscol Fourth is 2,50
16.97	72	1 16	unboard, D. entremely 1900
5 23 6 15 3 15	D D	# 160 # 160 # 127 # 166	unheard, D; a trace tao g; a moroely heard, A; D beard, A; D too g; A; put heard, D

Pilek and Change of Pilek in Marie.

STATE.	Appropriate Level Note	Protes ferreis	Submosis of Observer
0.51	0	h 83	hered, A. Dr. vory wrong, A.
8.31	26	> 121	well heard, Ay too y, A
5.30	Da	1.79	honel, A.; part board, D
7.95	De.	1 300 1 337	sinkersed, D , too & A
6.41			tong, A (this is the tempero
5.25	D	£ 996	well bened
0.59	0	£ 350	well beard, even by U
		Cir 4+0=nare	
8.58	2.	1 1 1	welcomb, A
5.78	D	1.5	unbound, &
23 54 17 59	22	1 17	unkeard, D; tac b, A unboard, D; tac b, A
17 29	in.	h 52	heard, A. Dr. too b. A.
			heard, A. Di Son b. A.
			well house, A, Dr. too b, D
			well beard, Ay just beard, D.
4 34	Dig	F 504	very well bosed.
22 55	12	1 1	unboard, A
0.5	0.	1 10	nebesel, A. D. tes S. A
15 97	ing.	1 6	will beard, A. D.
			well beard, A. D.
			well beard, A. D; too a, D
			unbound, Di sternely heard
- 1			A; a little b, A (the ten- pered major Third and hir
20 21	P	# DES	just board, Dr. samewhat p. 2
6.1		6 113	a & major Three, D
414 1	Meson Y	#INO-5+6 90k-	-STEEL see: 1th Octors 10hound, s, D
39 20			
9.77	8	P 11	unheard, A.
4 11	D.	1 79	unbeach, D; a tense too b, a
		F 129	enhand, Dr a very little to
20 50	Og		
29.29	100	B 200	
35 25	De	277	unbeard, D; too a, A
** 26		1774	unboard; strong head, D
			a hattle too no too a, A heard, D
			fact brant, Ib

	from Town.	445 YO 45 IF	H ma-matheni.
Lefting Trips (per Table TL)	Approximate Laws State	Production in	Shipman of Charrens
13.00	n	1.1	unboard, A, D
	20"	1 14	
7.15	2¢	1 11	Enhant, A. based, D
12:00	71	\$ 55	tahual, Aj beat, D
20.00	A.	£ 53	ten 1, A, D
26.28	GR .	110	house, A. Dr. too b. D. unbeard, A. sourcely board, D.
	De	I 170	hand, A. D
11 90	λ.	1 133	a hate \$, a; heart, A, D;
0.1	0	\$ 217	well beard
		arrefer vie	
R.32	20	P 13	unhoused, A., D
	194		
2 22	98	1 110	unboard, Disconnelled tore, A.
	Σ¢		unbrasel, Discourantes took, A.
			(the sempered mixtor fluith
4.05	D	F 252	5 to 187)
			mehend, D, too b, A, searedy heard, D
	Ct		hourd, D
			but band, D
1 20	5	F 591	Sound, see b, D
1.24	D	1.7	soheurd, A. D
			unbaned, A, B; feet hough, D
		£ 112	
7.34	Dig.		heart, D
9 22	CN	ž 154	houl, A. D; coof, A
6:20	0.	1 519	well fend
419.1	MAJOR T	orantos ribo	9-2002 nom. Tik Granne, nphoned, A, D
29 00	44	b 13	unbount, D
24 00 1. E	0	1 17	sebout (F); see b, D (the
			temperal major Type les 200
17.29			heart A. D. teo b. A
25 5 7			heart, Ay ree E. A.
			kened, D
16.13	24	b 243	heard, D
16 29	0	1.1	watered, A
28.50		E 28	ind impd. D
7.17	74	1 56	
14 30			

The order in which is above reader any given is not that the Dr. Pereir is related by the present production are carely that is written by respect to the production of the own, the I have assumed to except the contract of the own, the I have assumed the own compared to the contract of the own of the I have a contract of the own own of the own of the

Ber ika Interni	The base \$ or \$ other based, had seein	The greatest \$ and \$ other technical \$40 miles	A Second
Botson I	15	1 14	-
Octore?			
			30
			ii

depends on only upon original continuition of the one, but, as a most state case of a received soften, more operation, and other continuition of the continuition of the continuition of the contribution than thereof some frequency of the contribution of the contribu

planed or song requires totally different proparation, and hence the attention of the performer is early and eccentably directed to it. He is also constantly hearing it in the voices of men and wanter, or men and boys. Would equal sensitiveness be shown for the darkle Ortage, which does not be within the commes of perhaps the greater another of stager's robust? The Polick in the very foundation of the musical coals, and to master it thereaghly is a necessity of life to the vicinist. We should therefore, expect that for all empres and violiziets, and emorially for such men us Herr Appens and Herr Davided, the sensitiveness for the Pitch would be absorpadly high. We see, indeed, by the tables, that it is widely distinguished from all other occasional intervals and is only approached by the discussat interval of a Major tone. They again to records an Orders boars than the double Pitth, and is more high to be bosed correctly than the condition. In ordinner equal temperament it is safe 4 conte too flat, and this is the interval. The leads to the conception that the habit of the secondivious of the entireted, so fistingwicked from the nethe terrored Thirds and Sixthe as false. Possibly stagen brought on to sing that intervals only would full the error more scuttely. I have neliced that in trying to pulge of a tone or in-terval plays by any instrument, the charrent almost mechanically sings it to himself, that is, translates it yets the quality of tons with which he is must further, and he seems to me if may be could women to formed has redement outlier more than festation (which of come is lable to difference) than once the retrinal

interval our, on account of the theorem of evener cartials. The principle by which the consensat intervaluers rereceed. scene to me to be that computated by Helmhelia-the remenbered identify of a partial tone in the second note, with a pastul tous in the first (Helmholts, 'Sons of Tone,' p. 284). Thus presenting has been communical differently moving out by The 1d. or 64 vacticle. Actorronce how many mericals would be also. tired in the two town. But I think them to more than races reartition. The tenna companyal have rarely many than 8 or 12 offertive nortial tense, and the kepler of these are progredly as high and work, that they would probably not much affect the redgment of the ser. In the following Table such tone is nonposed to have only 8 poetial tores. For convenience, the 7 just toxics Sc., 7c, 7g, Sc., Se., Sp., Po," are taken so that the numbers * C. D. to, are used for the equally tempered sotes of the art (hourism)

Date and Chance of Date - March

Petch and Chang	14 1	Not !	n Ifs	Mic.		
savigned to the various \$5	10	79	40	80,	64	
pertials, when multiplied at 64, will give their rib.	2					
Now charre that 7c con-						
take exactly 4 partials 4						
(2, 4, 6, 8) the same as 4						
those of 60 the Octave ?						
helow, but 70 contains		18				
only 2 partials (6, 12) the	29	- 5	10	30		
			18			
below 7s, and 8s also con-						
toine 8 pertiols (12, 24)		15		26		
the earns as those of 7 a	34	16	T.E.		n	
the Frurth below. Hence			22	20	м	
this policiple does not		21			775	
distrepaish the Published		24	24		54	
Fourth without toking						
more partials into cosau-				30	30	
deretion. Again, in all the			33	36		
other intervals the major						
Third Se to Se, the major				- 40	34	
Sixth 7g to 8c, the mixer					6	
minor Sixth Se, to Se the						

agger ten an single june.

The same distribution of the parties of

insulators of long-interests assuming interests in such and distringuishing whether this considerates in two damps or too first. For the Fourth § It is the first partial of the upper loose, which is inherited with a first partial of the upper loose, which is inherited with the expert of the partial of the

the dist of the born, set his case maple very such temperature and one. The Born's takes in the settlement and some distriction and some distriction and some distriction and the settlement of the settlement and the settlem

come than the single Which keeps have in a combified of the what is the great propertiest. On instead of the five setholy is the region between the contract of the five settion in the bittest intensive; it is now partle in dead between the contract of the contract one of the contract of the profession of the contract one contract of the contract of the contract of the contract one of the contract of the contract of the contract one contract of the conact of the conact of the conact of the contract of the conact of the conact of



There are at least four receipts wave of teaching to sing of feat. univ. the engoratry notes being mentally connected by such a chain, which is M. Chert's plan : thirdly, by the montal effect of each tone in the major and relative minds scales which is the Totals Salis plan; and just of all, most general I fear he whetne the sir on a place, and instating it. intervals in rest intensition conflicts the first plan to terrespond intention, and not it is only in instruction that the winnieds of an identified partial, eiving the true Section of an interval, is possible. The second plan was originally developed for a true. pered scale, differing from the namel equal temperament," and it se hardly applicable to just intensities. The third method was exactly suited. The fourth plan reduces everything to learning 'by ear! There is a bith plan possible for those who can memorphus access form within the sourcess of their voice. Thetermixing what is the precise mirrord board, and proceeding by a known interval from one tone to mother, are two different things. and probably the second is proch cases than the first. Dr. Proper is, however, dealing only with the first. * Galin, the introducer of the method, advanted Europieses' syste of 22

* Glass, die December von der anstalle vermittende Step.

Gegeben der Step.

Gegeben der

On the Sensitiveness of the Nor to

which is that to which all the above apperiments on intervals whate Below the first Outcome anniference describedly displays her In the 9th and 9th Octave reunitowness successes, but in the 16th.

mature such reachs with accuracy. The following results actu-

erronous judgments are given; the correct equiens were, how-

Th	Sets to	None Name of Bridge Ld	Name onligated to the	Name in
12 - 16 61 - 16 20 - 18 86 - 10 10 - 20 10 - 20 80 - 20 80 - 20	12 13 00 13 13 14 13 14 14 14 14	Outave Twelfth Outave Outave Fish: Outave EP couts shapper than-major bitth roops firsts	abust n Fourth doubtful doubtful doubtful, Octavo Octavo of the Founds doubtful, Octavo major Bitth minor Sixth minor Sixth	(about a rea a a rea a a rea a a rea a a rea a a a rea a a a rea a a a rea a a a a rea a a a a a a a a a a a a a a a a a a a
	Low	re Toes in 5th Oc	lars, 32 to 64 vib.	
64.032 60.038 121.048	122	Octono moner Trine ST centa sharper these many XTon	dochidal mojer Tree major Parch	1 99

and they makes much interest as bring the and process formed The Intervals were all just. The trials were cash with Ricig's reds and Appena's forks.

The Lower Torus in the 22th Ostave, 4926 to \$192 with A wader body mine aba 5292+ 6144 12282- 6144

Tip Design			. Names uniqued to the behaved by						
	reels	of Labored		P. I.					
THE PERSON	0	Dolare	48	Marketti	-	-			
			63						
	150								
issa elle		166				4th; and 8th			
	n°				Ze4				
			8h			4th, ma, led, del			
					t				
						Stal. 4th			

This table, however, does not represent the full amounts of confinence. From $T \sim T = 120$ with, $t \in T \sim T = 120$ with $t \in T \sim T = 120$ where $t \in T = 120$ wh

By Press denies from the transplace, the "report country and been just pressure over the been pressure of the pressure of the

sound intervals.

To see up by a single question, What is a good or for Music, considered mently in its melodic relation? We may, pathaps, gree the following partial narrors? A good car is one which,

gree the concerning partial mass not be userlaided. As he as my own

"The handston' partial' mass not be userlaided. As he as my own
meaning once, a very count died many in required. But here it was unconser-

refinite the dat, 7th, 1th, and 7th, Cataver, approaches, but in discussion was of Coroline, a relative of loans of the others. I Children, Collever, and Effects, and site of fifthers of the other in Collection and Effects, and in the 5th deli followers approached that an extra size in the 5th deli followers approached that are considered to the collection of the collec

for it.* A good our ought also in these Orlanus to distinguish a minur from a major Tries.

In consistant, I would observe that I did not answer the question by saying "a good our known when a note is in taxe, because the causing of "being in time." In a tyrested infead holds

In the same Cares and Newmberr experiences, mark in the presidence of Hilbertheid, whose new Priva expension of any investigable and he had the Hilbertheid and the same private expension of any investigable and he had the productions of which the productions of the first private the same private company of the production of the production of the first private the same private the production of the first private the same private the production of the first private the same private the private throughout the private through the private throughout the private throughout the private through the private throughout the private through the private throughout the pr

of 2 and 2

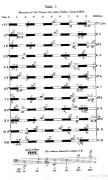




Table II Galculation of intervals as new, where, cent, mil, and here

	L. Own			2 fee			
						993,00	
						10,442	
	28						
	60 77 84						
90 30 40 50 50 70 50 90						KT, KCT	
						11,795	
				111			
11 C 12 C 11 C	130					17,748	
140	161						
HC.	180						
		48,334					
G. Steels		Descri		L 10%			20
		Quotilest 1 mm mm	¥2.			Dias :	THE

		Deci Quolini 0 1,800,700 1 1,800,700 2 1,000,106 5 1,000,724 6 1,000,820 8 1,000,820 7 1,000,620 6 1,000,620 8 1,000,620 8 1,000,620 8 1,000,620					
9 4 4							

DESCRIPTION FOR CHOOK PLANE II. L. Gallerichien of a Print in Diese — Corea may much an alabella look in a

for this cape hase win, 2001, has orienteement said the main bears in the Outer. Marriage Ving mainly (2000000, props) (48750000, and Gratch by the said past found, by the source man. That is of the hir watchilder in the past just found, by the source man. That is of the hir watchilder in the past, 2000, counter of the slave past of the hir watchilder in the past. This quantitate of the slave past of the slave to the count to 2 the counter of the slave past of the count to 2 the counter of the slave past of the counter of th

to the magnet man. Then 1,017,004,000,000 Graded by 1,000,000 gives 1,000,000 requestion).

Look to D for the next least quotient, 1,000,104, garing 2 conts. Bulgered this from the last quotient, garing remainder 172.

On the Sensitiveness of the Eur to

differing by more than 3. We find 125 giving 1 min, and so this so jos manne, had done and fifte by so growth as 6, force are no damas. If it had the control of the cont

code, as a famous C., to and, contraring two tester that general the quantities of quantities for the property of the property

38 G any, which is overest.
18 C any, which is overest.
18 C any, which is overest.
18 C, a support of the property of

oder SDELLER, been weaked to other lates agreement of the lates to a brieffiche proper Lates in the Cost of the lates and outdriving on the lates and the la

TAILS III.

20 FIND THE ENTRY MEMBERS OF THERMHOOSE FOR ANY
ARCHAEL PRIVATE HERMING HERMING.

ARCHAEL PRIVATE HERMING HERMING HERMING

ARCHAEL PRIVATE HERMING HERMING HERMING HERMING HERMING

ARCHAEL PRIVATE HERMING HERMING HERMING HERMING HERMING

OF CONTROL PRIVATE HERMING HERMING HERMING HERMING HERMING

OF CONTROL PRIVATE HERMING HERMING HERMING HERMING HERMING

ARCHAEL PRIVATE HERMING HERMING HERMING HERMING HERMING

IN THE HERMING HERMING HERMING HERMING HERMING HERMING

HERMING HERMING HERMING HERMING HERMING

HERMING HERMING HERMING HERMING HERMING

HERMING HERMING HERMING HERMING HERMING

HERMING HERMING HERMING HERMING HERMING

HERMING HERMING HERMING HERMING HERMING HERMING

HERMING HERMING HERMING HERMING HERMING

HERMING HERMING HERMING HERMING HERMING

HERMING HERMING HERMING HERMING HERMING HERMING

HERMING HERMING HERMING HERMING HERMING HERMING

HERMING HERMING HERMING HERMING HERMING HERMING HERMING HERMING

HERMING HERMING

-

PARA and Change of Public in Music

147 by 148, 60002, and 60 Abo tembers in the three solution DV, are 141. yer or ever, would, and 60 (the interiors in the three spheres D), are 141, 00280, and 81, and these rection added to 138 45, 1 00280, 2104 : wated opposits to 416 give 500, 1 04189, and 272, which agree with the values connects S.C. a 900 to Davidson E. Serious N. The solume PC contains the subgross range of the rulture

of 90' in use, proceeding by four vibrations at a fine. The other solumns

9C', Makeply SC by \$400 to End the corresponding equally-to \$2' Decide \$4' by \$4.-430500, or 5C' by \$0.-413, to \$400 OC. Makes of the 6400 to sad the corresponding squally-tempered Biology C-It is not easy to determine the exact vitrations of any given note purporting to be \$10' or \$10'. Dath Account's Tennester was entities in the Long Controls of billionic Apparatus there was no material in England by which it could be done apparately. The standard Percel S.F. or Escasco Serval, recreded to be 420, in really 420, and for find and birth they 1976, no. Phil and 600 enhances by the market In previously than table for the seven I have thought at least to add some of

> 10 434 F94 92 1.29 0 24481 00911 420 144 98 180 0 99430 00220 14, | D | 10, | 10, COLUMN TO THE PARTY

... 1-00TN1 -00255 100151 00095 F00366 44 225 100025 54 123 1-03906 cmose -94 EUS 1 1 06533 C0035 THE TAX TOTALS COURS 94 | 144 | 196259 144 200042



monte, July 1974

| HARDWOOLG, AS DESCRIPTED OF TAKEN I, AFTER INCONCINON
| The Company |



Tota V.

THE 69 AUX NOTES IN THE BUDDAM.
The mail below inclinate has intronsition. The table remains of four
colors and the property of the property of the colors o

	r	VYA	-	Comm	2. 4		-	**	N-w-				۰
guinet	-	pole	la	militer	10+1	ileh	·	die	se, Ge	phiele	ú	01	ele

	5 1771 C						
	2 3444	42	9 1369	+/4	1 0000	9,64	8.5
	25542	Q.	6 1475	14	5 0466	44.5	19
į.	72399						84
	951/1		\$ 000e4				116
r	\$ 1888		E-0017	1/4	3 6334	4.2	41
3553	22 1702	4	10014	l ra	8 9 9 9 3 3	6.2	97
			7.0236		136627		21
		8					1 7 1
45	11123	/	6-0006	16	9 8634	*/4	01
2	6 4026	44	5 2406	4	14040	/4	٠,,
	11/00/02						30
					12:5143		131

Tate

The notes are numbered (i, 1, to 52. Against each is placed the analise of observors, and the pitch in relation to the lawsel calculated to distant. The numbers of the notes are given up the title back.

So, | Yb | See | Sei | Yb | See

room, and the prich in relation to the lar an. The numbers of the notice are given up t									
ĸ.	Th	fen.	1861	The I	fem				
					2 7455				
		9 7542 2-0011 2-0015							
				511 14					
7									
0									
					114881				
ì									

.....

Dr. Streen shift there was no much of interest in Mr. Ellin's gare, that he could go on cabeting equivare gas for ea shore, garenize the could be considered to the could be constantiated in Judgang of the two tuning-firsts exhibited by Mr. Silk, because he had sharpy concluded finish schooling spite could support to the consideration of the contract of the contract of the county of the contract of the contract of the One of the transpliction was send obtained in noise likes the state of probability of the contract of the contract of the congrand princes that he contract the contract of the sense had sobre to with that the three sense when the contract of the contract of the contract of the contract become the theore in his height of theore exists one one shows about the theore in his height of their resists one one shows about the theore in his length of their resists one of these about the theore in his height of their resists one of their about the contract of the

Mr. Ellis end be bed mentioned in the paper that it was desirable always to have exactly the same quality of tone, and as this was not the ones with these two forks, it was not, of course,

a flar trial.

Dr. Scott said he had gone into the question physiologically

some time up, out to french principle, but the shockair Generalization of pills we impossible, but all and if theme of ofference discusses of a fifth respective flower point principles of the state of the first state of the st

beginning of the paper of crithensical, and hydrological place.

De. Stoom and he had always held that braing-feels were very bed tests of pilot, because they were indistanced on much by temperature and rular custom. He wished to sak what was the test be which Mr. 2020 tested those feels.

Mr. Kitte, -Mr. Appaun's tenumeter.

Dr. Brezer skil the queriess was, gleis candolfer ignor candolfer.
Mr. Bizar said be control for bests set fraud the Octove was
perfect, and then exercisely tested secrets other interests. The
rest of the interestant to set very slightly include affected by tean
person convert, that the pixth could be other than the samplest
of it from countries the bests. All the interests were served in

Fifth and Ohenes of Fifth in Music.

this way. He did not trust has own one. Mr. Hipkins and Mr. Grenous were both perfectly satisfied with the experiments. Dr. Styres asked how the absolute patch was determined from

the beats.

Mr. Enam said is was easily determined by a mathematical avoiding.

equation.

De Street said this was now to him, and was of very great
importance. How was it that the Percol with was not deter-

mained in 4th way?

Mr. Rikit registed that at that time Kneeig had not constructed his toccurater. Solvether had made has, but it could not be obtained in Process and probably was not known. The Sheevery that absolve pitch enable he determined mathematically from both was due to Schrickiry, but affectively by was not process. The Sheevery that absolve pitch enable he determined antiferrability from both was due to Schrickiry, but a determined by the original process at the time the Process fragment was determined. That the first had been a substituted in 1856, but the first could gut he deserved to be according to the first process could get be

chânico. Kessig nov made ince, bai Ma Appraria infortranal sea meth caritir unavi validi.

History est de la companio del la companio

produce a full result assession, and one of a sunch lower rote than youngle can.

Dr. SLESSmith is had once before stated that event various many reads of the state of the state of the state of the closely, that they could rate with protition have many relaxation per second rate particular fock would give. What he meant was a heating a most in our protection of the state of the s

See Exam replied that De Dwyre stated that practice isoperwell the one very ratch indeed, it was particularly acclusible in adverge to a sample the internals of any high noise, where all first the grasses were perfectly with.

Mr. W. E. Commons and that mether he may De Verninder had been deserted by the two finite when had midded Dr. Stone and Dr. Stones. He occurred with Dr. Stone that the same of the Dr. Stones and Dr. Stones. He occurred with Dr. Stone that the same of

22 On the Sensitiveness of the Rev to Musical Pitch

pitch differed with the condition of the body. When one of series is generally hard and of tens, and of course it was absent impossible to integrate and tenses alone of the conditions. If Even a case of a very obsers consider, care a pressure of the Royal Academy of Reas, when we are tens then a very advantage performer, but who had suffered from persylve, and at the present moment to be seried perforded to tone with one ser, that the obsers a first tense with one ser, that the observations.

Me. Ettas remarked that this agreed to a countertable extent with the observations of Dr. Occar Wolf, who had from a greet difference in the different ourself the remarkers with regard to their power of hunting and insking of intervals.

Mr. W. H. Circuitus and that every trough imagined that it was impossible to distinguish even pittin or interactive without education, but he had a new in his own family of a child, eight years old, who could tell eny sets streamly spon a pinterface in his next seen. The could tell eny sets streamly spon a pinterface in the next seen. The Circuit is a set of the country of the country of the The Circuit have not a behalf that he had a states who, at the age of the circuit have not a behalf there is an extraor of the cold to

siz, could tell may note; so that it was a natural gfft, not the remain of education.

Dr. Stutz remarked that over at six years old Monart was a good player; so that if playing could be enoughed, this family

good player; so that if playing could be acquired, this faculty could be also.

Mr. W. H. Crossens said the child be referred to last been imply.

Mr. Syrvanus said that he bingelf possessed this faculty, and

or each the fraction for flattenery it was well known byth when he was a cloth be could tell if his father pat his arm on the planoferies, when to des he signal, and when he left now.

Dr. Brazzens said he did not doubt the face, only he believed it to be acquired, and not a satural gift.

DV. Prezents and no one was touch the not, copy as measured in the he magnitude, and not a natural pM.

It has not then withhelm (nor elivence of forks, which different in the control of the control of

account of the prices and the diff and believe the region to as a transf, and to be one waitly present single the derived in this way to transf, and to be not sent present single the derived in this way, to accrued an anadox of the George Baser. He had to respective the fields there are a create and this way are compared to the sent to the contract of the case only gove it where the price is to be in the contract of the case only gove it is contract, and the contract of the case of gove it is consent to the contract of t

Decision 6, 1975

JOHN HULLAH, Eq., LLD., VICE-PRESIDENT, IN THE CHAIR

By W. H. Crawman, Keq.

A wear pleasant and picturesque introduction to the Paperl

family is to be found in Pepys' Diary, moder date Feb 111, 1659, where we find this nates: 'After Somer I hask to Westpriceter Hall with him (Mr. Crewe) in his south. Here I not with Mr. Lock and Purcell, Masters of Musicou, and with them to the Cellic House, into a room ment the water hy cornelws. yes a west visuous right to see the City from one and to the other with a plant about it, so high was the light of the lengthes. and so thick round the Criv. and the bells may everywhere." Lord Bearbrooks's edition of Popre has a note which is reprinted in the new one now in course of publication, to the effect that the two gentlemes named in the test were ! Matthew Look and Heavy Pursell, both celaboried composere;" but this is barned Effice the Rev. Mesors Bright. It oversiely sould not have been Henry Parcell the conveners for although we know that he commenced his manical career at a very early ago, he

tions only more year and a third date Department of the only is in different and solidary in an electricity as might be read a very few for ware even at that period, I entered before he would have been considered a desirable addition but in Proper smitted party. A consent before it made of the Girishian same of Parcell, we must conclude that Physys and other the noted, Thomas Parcell, or the latter, finery. The scale was unboundedly a mention of reputation and different period of the Girishian same states of reputation and court second tentify. I serves sattles in officers and concentrate tentify the

the numerous appointments he held, such as Geotleman in Optioner of the Veite and Late to bis Nainty, Commune to the Vacing to his Majorty, and Lay Vices of Westmonter Abbey. His compositions are now lost, with the expension of two chants in frequent use in our Cathedrals. A war before tas death, probably fielding ago or infernition cropping on, he come to have relied from active service, for he then excented a power of due from His Majoriy's Treasury, Enthoquer Coffery Olling, ' or any other place or office whatermover. On his death is 1989 he was hursed in the electron of Westernader Alshor. The name clined to think that Peops met Thomas Parcell, from the hittle moughly and of correlations to Looks. But it may after all have been has bresher, Henry Percell, father of the great Henry, for he also was a musicism of recentation, a member of the Royal Bood, a Gottleman of the Chapel Royal, master of the charetee hove of Westminster Abbey, and musto oppress of the last-manual charch, an exponentment of countderable importance at that from He is generally accredited with the corresponding of one chart still in was hearing the warm of Popull. He died in 1664 and was begind in the decators of Westgarator Abbay. His wits previous new, it is neobable that they were both vogne at the time of their Pentlan

We now come to their eon, Henry Purcell, 'the beast and profe of English Musicisco," who was born in St. Anne's Lane, Old Pen Street, Westminuter, in 1958. futbor's care, but his much Thomas of whom I have been speakthe hesteroid on him all the loving develop of a movest and immediately placed him where his proposions region would receive long often, children generally entered obeing at the age of not or serse. When young Purcell joined the Chapel Royal astablishmuck be had the advantage of testreotion from a most able field fighting for his king, and also in the more seaseful areas of mario. He was consover, actor, and einer, and is frequently montioned by Persy. On the death of Cooks, his purel Pelham Humphrey-or Disaphries-became master of the boys, and he, a men of considerable genius, most have done much to develop years to mery on the work and was parecoled by Blaze, also a Percell. At the age of eighteen Percell, upshably through Blow's

interest, was appointed music-copyet to Westmitwier Abber, and from years later Blow conserved the most of openings in his factors from which fact we can imagine how highly he must have command the prime and ability of Percell. How was homest a remarkable sussume and composer, and fifteen veers afterwards. Blow speet have possessed a most omachie and generous disposition, devoud of yeslousy or mean easy, for, in addition to this yehis rest as resider of the broad St. Parts Catherral or favour reside more and, and we soon feel him occupring the distan-Ordinary to his Mainste. He wrote mose for the Church, the her But, also ' his stocking was all too short, for at the early age of thirty-seven (a period which has proved fittal to more was borns to an bonnered creek in Westminster Abbey, beneath the mean which had so often recognised to his draine hormous This was in the very 1605. I must new retouce my stone to speak of Purpet's married life. He took to himself a wife when tenony-two or tremly-three years of ago, about the time he maccooled to the organishing of Westermater, and had six children. four of whom died young. I have already referred to the prehability that Percell's remains were short-freed. Countries these

significant facts together—the brief lives of father, methor, son, and consightifiers—we have reparating strikens of broughters deficacy of constitution. Parcell's wife Frances survived him stayes years, and, dying in 1706, she found a coint profiter-place by his elds to the old Abber I repeate most of you are funding with the aspersions which have been cast on the memory of Purcell's wife-the idle tale which attributes, with such particularity of detail bank and autholian conduct, resulting at last in the promature and unitiaely

It is always easy to presculpte a sounded, but very difficult to teace its oriota, and officers of it more difficult to relate it. In this case, I have little depth, the whole story is a base and wished investige; but, reflecting as it does on the memory of both Purcell and his wife, I promose briefly to state my resays for the opinion I have formed. Sir Juka Hawking, the repoted histories, printed the roragies, and although he doubted its authoritorie. added arms, every reflections on Proved's recognised habits of discretion, and of the had company by secretard with most married the acturious Tom Brown. On Hawkins, therefore, rests a large share of responsibility for persentating the slauder. Miss Hawkins, his describer, indignant at some offer stories in circulation respecting her mother's treatment of Sir John, wrote thus-. .

'Mrs. Percell, I should conjecture, had other modes of attracting elitration on that to which Lada Hawker is willful The late Richard Charles connect he considered blacesiess in this Porcell matter. He was an enthasiastic and kind hearted

man, but wanting in dissertaination, and too wealy to draw concharlons from angroved and insufficient oridence. His volume of Gles Poster contains the words of Parcell's catch, 'Jack, thou're a topen.' I will read the lines and Clarke's comments

Jack, thou'rt a toper, let's have t'other quart; Blag, we're so silver, "verre a shame to part," Buildly the watcheson seven. Post two abdook.

Checks informs us that the 'Jack' sportrophised we a 'toper was Do John Blow, and goes on to say; 'There is a tradition that Percell's death was occasioned by a sovery cold, which he cought waiting for admittance into his own house. It is said he most to learn late horse. He arrows to have spent much firms with Ten Floren who write the mosts of most of his catches. The wife of that day used to meet at Owen Swan's in Bortholomay Lane, and at Parcell's Rend in Wesh Street. The wife had stress orders to the servants not to let him in if he came home. after midnight. Unfortunately his compagions had not hold of this and had kept him late, as name, which was the cases of Tors Brown writing the words of the above catch, which Percell sat to music before he went home. Helper refresh admittance at which he died. This but ill severe with the expressions of eviel she malors are of in the Orchene Britagaiene, for the loss of her

These interesting particulars are so precise that it would seem to be almost impossible to occarover them, has fortunately ther can be shown to be notices from beginning to end. The words of the catch now not written by Ten Brown, and are of excess, not to be found in his works; wereness, material of Boows, having written most of the woods of Purcell's satoles. it is talerably cretain that Papell never set a line of Brown's

poster In the year 1768, Dr. Aree gare a connect at Drury Lane that concert he mobilished a book of the words which I have been In it we find Porcell's 'Jack, then'rt a toper, with the following note: "The words of this but satch are said to be written by Purcell, wherein it is obvious that he most no elegance with parend to the poetry, but made it coffroir enhancings to big cateums protor design in the music. ' Jack, thus it a toper in

On Henry Purcell and his Family

is to found in Possell's opers' Bestians," composed by him the year before he doed. The Bireties was on adaptation from the play of the same name by Bestmond and Flytcher, but the play of the same name by Bestmond and Flytcher, but the allowalters and addrigums were made conceptually, it is therefere highly probable that draw is correct in antiquing the words and the mains of that particular suits," latel, than't is topen,"

To lithred to a dual with Percedit alleged intimacy with Ten-Revent. In the pass 1600, then to rectaon or eighten menths below Parcell died, Ilearn wrete and privited come very conplinantary versus addrawed to the good mentions, which be handed that "Laues addrawed to the submost franci, Mr. Henry Percell." These work repetited of the Parcell's distillable without some results of the property of the party of the party of the Parcell of the party of the little party of the party of the party of the party of the Parcell of the party of the party of the party of the party of the Parcell of the party of the pa

without 1 What pushes, Pursell, in thy shall are dec.
Who has to wheth's recently here so treat
by there he more me bearts, by the to eviluate
and mere are bearts, by the to eviluate
and sees are locates date to the immortal see
is the performance we wisht womber of
the could be performed to the immortal see
in the performance we wisht womber of
the could be pursue to Researt peril.
Thus L. woldeness, any guartheled suppose,

And committee provides could be become
the fifther from each Arbeit must be day.
The whole postick (riber holling to you.
For when the action to some made have fairle,
Eigh beging mater. Penedi, have permit?
And eachly made but you, with equal case,
One V and to David, and make D'Etricy pieces.

Parsell, in his last will and destructed signed on the day of his death, beganshed to his beeing wile Prances III Mostella, real and personal, for his wolv was, and also availabled his exacution. We cannot find evidence here of anything his material effection and confidence. Many of yea one cell to mind how differently Statement restend this wife in his will?

Shakingane trained his wife in the will?

Parallel wides much dropped public reference to the dear memory of her hisband, and this following extract from her last will in repositify interesting, as it shows have printful above of his wishes, and also that Paraull Minarif did not confirme convival society to the neglect of the health and their worldly interests. Mrs. Percell styre: 'According to her hashauf's desire, also had eiter her in our Related word interesting and

 this magnet to the resulting of this paper, a fraud dissected my startuce to English while remarks on Stakepeane with available starting parents that Stakepeane's writer was well provided for, and that the spounlappears to lev, which has communing been represented as a slight, was on the necessary, as additional indication of favour and regard 1 are gird in here this apprehensibly of representing my reprovide the arystock means to the

handlesses brevilers are seeked, and he was to be manufacted, and applied to the seeked periods of the seeked

maintains, the Boyal Stealiny of Hastians. This interesting refers his somewhat of a remaintal integrated to it, which refers his more with of a remaintal integrated to it. We then pressure of the Hayal Stealing of Hastians runs there. "Seelmonth Reprint Lange generated the presented Backed Cornell, and the Hayal Stealing of Hastians runs there." Seelting the Hayal Stealing of Hastians runs the seeling time the Hayal Stealing of Hastians runs the seeling time the Hayal Stealing of Hastians runs the seeling time to the Hayal Stealing of Hastians and the seeling time the efficient of Markaland, in the Myroles type for ever other I witness and technique, where the soft Hastians disrepant and start of Hastians and Hastians and Hayal Stealing the Markaland Markaland Hastians and Hastians and Hastians and Hastians and start of Hastians and Hastians and Hastians and Hastians and Hastians and Astians and Hastians and Hastians and Hastians and Hastians and the Hastians and Hastians a

day of agent, 1978. So thington, has been or to passes, on the passes, and by Chalarman is 1978, and two many pares in presenting at Pennil, who mail it may very the his faster, but has the late had been the his best been and the pares very the higher his faster, but had been the his his faster, but had been the high the higher had been the higher his high the higher had been the higher had been his high the higher had been higher had been the higher had been higher had been the higher had been had been compared to the higher had been higher had been the higher had been higher had been the higher had been higher higher

I have only time to my that the east, Ribnard Parrell, because or expensits—report may, or medicate heldings—and that he one. Edward Henry, was observed in the Chapel Sayel under Bernard Gotos, and superceived his fasher in his sugar appearatures. So much for the family of Parrell, se solutions, no we have seen, in four generations.

Freedom pro-minant shore all his producence and can be reported in a compound of wall and instrumental, crebained, harpointeed, and organ mainty-moved, seedan, and dramatic les was an accomplished appaint and also a failanted rounded. How early he commanded the precision of composition we cannot all, but I. will save juty a likely large large large and present and, of his, judiciated when he was only size years of age, consider what we due to the deal of the contraction of the consider what we due to the deal of the contraction.

consider what was the state of musta just poor to his day. The civil ware and the Protociorate had destroyed argum, mustabooks, and discerned and benished choirs so effectably that at more placed on cornete for there were to trable have regable of

attacested something in that line, but the very viene on which his fame has been chiefly sustained was really not his at all, but the composition of Hagry Percell when a rough. I refer to the well-known 'Macheth mosic.' This prasts, however, sinks into insignificance when placed in comparison with later works of Percell's. Take, for nationes, his lattle Opens 'Dido,' occuposed when he was investe, two years of against a particular as stated by and above, not one word of disloyer, -at is full of heagtiful music, and one of the size, "When I are kild in earth," although countracted on the confined limits of a second base, is most touching in its petitos. It may be noted to passing that S Bach has need mosely the same ground in his B minor Mass for the observe to the weeds of the "Crustifican.

Proced was either with a soul for makely and nowthly it was the anwested exhibition of this heaven-horn faculty in his works time we Regulate, as a nation, had sufficiented produceds and more sugge with dilayence and encount, but in all sole-some. Oil there of Parcell augeand, the chief efforts were produced by the words. not by the molody. As for the size, 'they were, old the time, in general as unformed and muschages as if they had been made of notes scattered shout by chance. The fast quotatics, from Burch's 'Amendates of Massa,' is too ewespang. printed some most melodious sough in 1997. Morker, his contemperature, and other parest occide also he ested as majorists, but the Pavitana had peobably event away both the memory and practice of all enth compositions, and Pursell's amuschate predocumers were not remarkable for turefulness. As a scientific At the age of twenty-lear years by paddished a set of 'Twelve Sonatas for Two Vactor and Bass, with Organ or Harpelshord. Power that work I have relacted a force, which I will now play. was casen, writing, said yet said only examine the four values. of his second music, collected and edited by Vaccent Novelle, to see that Purpell was not a whit behind the most accomplished of his brethren in that cramped and fettered school. The volumes published hy Norvilo contain 123 secred compositions, chiefly exthene and then see were still municipal Mag. Decella that I have frequently heard furnish presidence to when his works were previously unknown, enginess on engaginess there, "Oh, that

is Soburnaco : that is Beethoven," As. There are none remark-

able harmonies in Percell's Latin Pealm, 'Jebovah quam multi. When you hear there you may possibly don'ts their authenticity artemach MS. I can much for their correctness

Percell wrote more movin than we can ever home often these lang years of neplect, to recover. Still fresh resterial is tarriage to point to a counterable series of his applished compositions. If hero made a catalogue or hat of works for which he composed exasis, and it includes 47 corns or drames, 28 ades, and 20 short floritive pieces of various kinds, youd and instrumental. have endown of his skill as nonmouse consider and recular. his own scarce at Stallmare' Hall with 'recordible praces' trust not forcet, also, that he stood at the head of his profess se a teacher. One of his rupuls—has brother Daniel, older than hernelf, was no mean composer, but he has softered partial sellby the experients of the general of the varagor Henry . Another result Welden as supermed for the excessive resuscitives Witness has anthony ' Hear my corner' and 'In thee O Lord of the engageding writing for that materiment and his treatme on "The Art Descent" is remarkable for its abstraces and consistences.

this conterv ever produced, and the greatest composer of the latter part of the seventeenth century. Engest both in the sakhus and the beautiful styles, and blooded with them a considerable monorton of the ornamental, he compared for the Church orestorio, etago, and churcher, and three rested his character halfs on his redirected and on his collected talents. His productions are appetrace speals heartiful, but are convertible in a crest decree rathetic and essentifu, and that without any ageneral effort; but when he manifestly endeavours to exect all he powers of expressers and to show the whole depth of his insening, then indeed be expanses all his yirals. I wish me had the means at hand for ramedactely proving the truth of this alcorage became that is of overse represents but I torse before lear (mount apportunities will be afforded of bearing Percell's weare with the colorence of cochestra and churus. To make this nescriptible, unblimation is the first and chief necessity. To rescrip by all who have had the opportunity of yodging, as the greatest we one possessed,...... a work which connected itself to the eyaquathy of all; to no Englishmen in particular, for the honour of our Fatherierd, and to the morrowal nationality of muscoune

... Dissolve us into oprisoios,

The Couseway send he should like to sak if there was now record of the kind of votes Parcell passessed. Mr. Curanus and his voste was also, though he sang bear at the Convention of James II. The first works accept for the great number of site soles to be found in Parcell's works. The Course of and there was also a great parabas of annellous.

Do Scoon saked if Mr. Compaines thought that Lully had any

influence upon Purpell.

Mr. Crimmon and there could not be much dealt that From the slightly inflaemed by Lulli, but more, he thought, by Essence. He was not a coppet of Lulli, and the character of his works was must distant. Matthew Looks's waste was in the style of Leifi when he attempted descratio commerciane, but Procedle was totally discissible. Mr. Smynney asked if the fact of the music of Macbeth

baving been written by Parcell was well anthenticated, became it had not only been attributed to Lorite, but also to a hear sugger of the period named Leveridge, who sang at Sadler's Wells. Theater not at Sadlor's Wells. He had under him the manager ment and arrangement of the reasts for Manhoth, the winds of It was under his ours, and covies nould only be obtained with his permission. Honce it came to be supposed that he was the eather; but he was in personing of an aptograph letter by Leveridge, written on a gless of the masis of Macbeth, which

Mr. Sparrens said by thought Pennell was very little condited Mr. Corrector said Dr. W. Haves, Dr. P. Hares, Dr. Armold,

Joseph Warren, and others, had always attributed it to Passell, It was De Bimbacit who started the police that it was Leveridge's He frank that it was not Locke's and therefore came to the conclusion that it must be Leveridge's, because his same was put on the theutre bills as compour of the mone. He was, a spece of the Marketh reason believed to be in Porcell's core handwriting. Dr. Rimbault replied, "Ton know us automarane

live to learn and makeurs," and he outle pave up the also that Leverisign was the exthon-The Ottazanan recessived that Dr. Rivolught had plated in his

memoirs of music that it was by Leveridge. Mr. Compress and that was in 1845, and it was only in 1856 that Percell's MS. and Levendge's letter came to hight. Mr.

On Henry Purcell and his French.

Commings further stated that he had it to Dr. Bicabault's own handwriting that he renounced the Leveridge theory, The CRARRAR sold there was nothing cles in existence of Leveridge witch would give countrasses to such an idea. Dr. Burns select if there was ony record of Parcell hering

written any theoretical works? Mr. Congress realied that he worte the "Art of Descript," and Dr. Better sad his "Art of Descart" was cablebed by Play.

ford some years ofter Parcell's death, and he did not know whether he was really the outbur of it. Mr. Creavers and Planfred's book west through about twenty-two addison. The "Art of Deceart" being neighted to 1684, no can had ever suggested a doubt of ste being Parcell's.

work be died in 1606. Perfence Macratage said he desired to would his thanks to Mr. Commissee, not only for the very interesting paytibulers of Purcell's life, and the sample rate his general, which he had given that evening, but also for hering set on foot

the Percell Society, by means of which the publishing and, he hoped, the performing of Parcell's works would be an no moped, the personnel is a surrous worse to Me Combown long under a strame from which he behaved the present time was freeing it, for secolo were now beginning to admit that Englishmen could not only advoce the mests of others, but that there had been some smongel them who could add to the treasures of

if we ware hern in this country with the idea, that there never had been good English marscieus, it would be almost a hupeless aspiration to dress of becoming such. But now that it could be proved that before the darkness set in there was such a light an Parcell, it might, pechaps, be an encouragement to sim at the new descrees. He was conversed that Precell was a very weorganisation for which he was torresponded. Mr. Committee badperhaps, done our little rejustice to English music at and hefere possessed he previous prascreus. He could not but think of the bonatiful songs of Ecary Lawes, which were geens of molody, egd of those of his houther William. Henry Lowes might have knows Purcell but he was his elder, and going still farther back three ware red, there, agent of which were more remarkable for the melody than for the harmony. One is cardicular was sourcely known in the original form, unusely, Forei's 'Nince fast I saw

43

year face," which was toneful enough for ony country. Then, again, there were the songs of John Dowland, which contain most accordable melodies, and many of them had had great popularity, no for instance "New chines we need west part" Hefeunce. mucht also be made to the long string of Kational recipites which music of any other country; however, the count mark of Pursell was not in being the fleet of our countrymen to write tunes. because others had done that before lites, but in his largements. many of which the speaker considered profigure as being really in anticipation of the instructio progressions of modern the beantiful, and to have felt the principles of harmone concally have done by nonresing the most large predifference to marical propriety. It was a great plory, not to our country only but to the oct of music, that at this early period, preceding the works of Handel and Bach, there was a man writing prais which emand one even new with its beauty and its Menters to modern compositions. Many instances of what cheeds speer in Percell, and showed him to be a most original thinker, and although he made some experiences which were not so encountal there was a character of brancy in his remove which untified the highest admiration. There was however one quality in Purcell more remarkable than his benefitful melodies or his wonderful enticipation of modern harmony, and that was his very grand power of masted declaration and strong dramatic fading. The form of opens in his days very mercelly street drawns for oresking in approplance with the periodics act forth by Druden, that it was more matthic with drawater action to have pursue sing their words, and that the majo of the stage should for the most part be restricted either to supermatural beings or to maimen. Perrell had such strong descratio feeling so would have made have a great moster in this kind of marks. reacin to carrows of the reaces. For instance, in the two exect mence in his owners of 'Don Onincia,' one the name of Cordonia when he is med end thinks of Lucenda's even as the only lishs that can warm here in his coldness and the other the accuse score from 'Beer bewers.' It was very pleasing to think that there had been such a great pre-connect English musician, and they could not be too gentuited to Mr. Commings for having given Mr. Occurring and it might be interesting to know, aspecially

after what Dr Macfarren had said, that some years ago in had shown almost pressuone with regard to some of Parcell's music

On House Posted and his Possible In editing Dido and Alcons for the Musical Anticoncism Seciety. he make of certain whose where he imprised there eacht to be

some more librette and music, and recently the original librette of the open had turned no in the laboury of the Sacred Hermonic of the open has turned up in the storacy of the denomination. Society, which Mr. Commings enumined, and found the Profeature surgice correct. Thus encouraged, Mr. Committee anothed on all feromethic constitute for the missing maste, and ad the gratification has September of flating in the blowry of

Frederick Osseley a considerable portion of that which This showed the marvellous instinct of Manfarren in heriter felt that neverthing was treefed

GEORGE ALEXANDER OSBORNE, Esq., 19 1901 CHAIR.

RACHER LART OF FUGUE.

By James Hisse, Esq., Mun Bac Owns.

Wate, some time area, I was introlled to read a page before the great period. The proper before the principal control of the principal control of

Boths' left of Paper' in set a work containing rules and prompts for the consistention of fapers, that it is a praising suggestionate of the set of rigal constructed, withheld in a suggestionate of the set of rigal constructed, withheld in the latest consorted with right subject. It hashings that class which of rights on one float it rections there yetly relative to of rights on one float it rections there yetly relative to the relative term of the relative terms of the relative construction of the relative terms of the relative terms of the Canam and the intervals; the movinal sunction or deliving in which float is directly bestead the thouse given to his Vir at Parisino, and in this late to we may include the little lowers. Not very beautiful cancers relatives on the Checkman Ryman. which Bush condecounded to write as a test of his qualifications for administrator to the Minior Society of Latency (se. Statistics, of very similar arm to that of the Muncal Association). But obtain in the list of works designed to display exhaustive treatment of meters powers. According to the account of one of his him-

the sad evaluate of the asterraption in the redicabel condition The oddings I have met with of this work are not very

numerous. After difugent search I have only been able to discover the original edition, and to have been engraved by the composer binned on he his near; the Markith addies. the excelled Prench office-study is really rejuted from the same plates as the Zerich cover: so address edited by Covery to Grameskert's Peters' chesn pressed ; and so English coar of Carray's edition. vahilabed by Mosore Robert Cocks and Co The original editors, published shortly effer the double of Buch, was printed in open score. It has a commendatory pre-

face by Margung, deted 1712, and contains of the end the Chorale in 1756, and in the advertisement own 'cally thinty occine have ret been suld." (This was four years efter its first publication.) It is said that no more than fifty copies were ever printed from

these risten. What became of the pletes is, I believe, unknown; container (No external edition is year toos I will take the present apportunity to express my arknowinference to Manny Schatt for their convicus in allieving ma-

for the express of this paper, to inspect come velocity carly editions of Back's works which they noscent. The next edition, the Eurish office, did not speed until about the beginning of the present centery. In selffice to the open secon of the original offices, it has a compressed part as for Zorich affilias in anore manach indeed a careful correction of

In 1832 Corner edited 'The Art of Frame,' in the counsists German edition of Bach's works, undertaken in contraction with Dr. Orientekert and others, but he wholly emitted the open score of the earlier editions, and gave only the errorgement that

sector of the earter editions, and gave only the errangement that plane. About the same time, or consewhat later, Mesons, B. * Worm wir in hocket Nithem sein. Gien Groon Works, vol. vol. p. 76.) Cooks and Co. reprinted Coops's edition, string the Engrise in English form. These propositions have, I think, tended very mock to obscure Both's intention. As 'The Art of Frame 'come from his basels no mode of performance was indicated, if indeed perferaones in any ordinary sense of the expression was introded had with the score suppressed, and the planeforte from of the week elaborately hazword, the work has all the oppositude of a real slavier work, assertally as rate word arrease on the 10th of those arrangements giving a hint of what has been done. It is true two namines, being fagues a day elementals use, are so mornhed is the original office, but this only makes the prostruction stronger, that had Buch restorded the helk of the work for performerane on a level instrument be would been said as. The effect has been that some of these occupoeffices have been pronotinced almost azintelfigible, through being brought to trial in a manner that was revelably some introduct. As an enough let the instance the 12th Force and its inventors, here we see (Flow If H and If I, page 65, may afford some idea of my meaning) a meds of writing which Bech did not shrink from employing when writing he so crebestra to even accessorably in his choral

In the sarlier editions, these commontions were called 'commterpoints' expect in three cases, via, the two fagues for two statements, and the final flurus on three subjects. In Corrar's edition the term is changed into fugure; the alteration is in some respects occurratent, but not altogether an advantage, as if perhaps to me that they rather hear such analyze to performable mosts se a minter's studies for which he shotches or may be abdurates, come sincle feature or detail) hear to his fedshed sicture. We shall find Such devoting an entire composition or rather group of commeditions, to an exhaustive alphoration of one kind of fugal-drvine, excluding for the time all other variety of treatment, in a measure that is certainly not areal in compositions whose ellimate and is performance. White however making this remark. I must not exclud to use that it is the real womend value of these nable works, that removes there are of the province of mere dry examples of the possibilities of supriori combination. and life them into the ruries of artistic creations.

works, where he makes passing notes of vance furtheasty through notes held in some other part, in a manner and to an extent that

The state of the s

Buck's "Art of Pages."

Both colonies at the service contraction in trivial. I will see So., Only they shading for my distanctive in this. The form So., Only they shading from the travels in this. The form the parts are in the piece confusion, without implies only of the piece of the piece of the shading of the shading of the shading of the shading of the piece of the shading of the piece of the shading of the shadin

tenth. The next greep dentains two consistepoints, Nos. 18 and 13. Them offspy the effect of invention and contains, an opided in Proceedings of the Contains of the Contains

I think than who study Buch's habit of writing will have little difficulty in believing their be may have intended to introduce a furth subject, nor reliting prompts in promotion to discover what has boost subject would have been, or at least to magine the subject which have been, or at least to magine with the subject which have been, or at least to magine With this hardy which of the 'Art of Pague's in your middle, I will ask you have which a semawhat more detailed a manister of the account of your subject with the promotion of the account occurs of some contents of the account of your subject of the promotion of the account occurs of our successful of the subject of the promotion of the account occurs of our successful of the subject of the promotion of the account occurs of our successful of the promotion of the account occurs of our successful of the promotion of the account occurs of the promotion of the account occurs of the promotion of the account of the promotion of the account occurs of the promotion of the account of the promotion of the account occurs of the promotion of the account of the promotion of the account occurs of the promotion of the promotion of the promotion of the account occurs of the promotion of the

fre clare by hours

المستوار المراجع المرا

The primary suport of the subject is above as Fig. 1. Fig. 2.

The primary aspect of the subject is shown in Fig. 1. Fig. 2 shows the xarray, which is treat, while Fig. 6 and 3 display flavoration of the original subject and ensure, this serve respectively so the subjects of the third and iterth fugues. Thus subjects are also asserted instally.

The product is presented for explain, that the survey of a figure subject his reproduction on once other deproys of the subgrape subject his reproduction on once other deproys of the submarkly in this observe of the below. As survey, if there, is either real or tend. It is real wherever the weakly of the subject country reproduced, though transposed to market pitch. When, however, to exact the impression of, or a positive machinities to a fineling key, a slight charge is made in the metody of the sublicit cut the representation animars. If in tends,

The only dilutest motivation report to a solicet of figure. It is mobilished really into the top of the destinant. When much a motivation takes place, if it is removed by a sone transposit, or the surface of the surface between the surface of the surface of the surface between the outside the surface for or the surface of the surface

In making a roal enever there is no difficulty whatever; it is, the total change there are two difficulties. Fret to know when it a test of some advance in receivingships to be able to give the correct total sorrer to a difficult subject of facts. To do this correctly involves the necessity for such a lively perception of the harmonic and metodic relation of the several notes of the subject, as in probably more an inaliget of the municion (if I may so express myself) reculting from close observation and much positios, then nonchile of boing reduced to charlest rule in every case. Buil ther will have little difficulty in discovering the correct total realy who will abserve the roles given, that tools assume to red of the subject, and solonous it mobilete, and concrette whenspersed, by its length, perition, or other uncleas of emphasis; alvery remembering that whatever was of tonic character in the unbrect will be translated late dominant in the source, while all The forel change went disfuses the subject websit as little as possible. To this short and immediat vicame of the raise of

Book's 'Art of Proor'

socal change I will add a valuable rule that Mr. Basister gives in his most capellest work. He says, 'All absentions must be made in quitting or approaching the tests or dominant The fore that therein then weally assessed on all without marries correter and burns. They are also consciouses for the absence of see Yiel of Januar counterpairs. The device of 4th streets. the descript of the policet and the energy closer together, in almost sheekstely wantfast. They are, in fact, simple furnes in simple constructed, but notwithstanding they display the west resource of the moster in inventing over fresh yet exercises figures of gonetic point. Each fagus possesses he own well-marked individeably, and it is truly astonishing to observe the unity with. est menetany that pervades such composition, when we consider the narrow means of development which the composer allowed breast. These four forms showed in grandes of cases and contains, and it is not difficult to trace a representer richness

وورودوا للالألاوم الإقالا الدع

Both propares for the derives to designs to introduce in the control of the contr

stretched in Securities with Fig. 6, which excipt the major, in an arisingly distributed. The sames is by concean present, and it owners give growing resident, and it owners given in it entitles with the copyrist from a bit an adjust any operation and exceeding sold of the copyrist and exceeding which the first 30 has a reducing length and residently, the single being exceeded the single form of the copyrist and control on the copyrist and copyrists and control on the copyrists and copyrists and copyrists and copyrists and copyrists and copyrists and copyr

I regit to say that the small figures inserted between the slaves indicate this her from which the crirect in taken. The number of the enempte agrees with the number of the fagur. they are presented is different, as he redward all the or

which I am also otherwise much included; but the form in which gave to one key I have the

les 5D and 21 percent the rabi the distance is now contracted to a single bar; as in

Ecast der Paper ten M. Bengt

Books 'Art of Proces'

In Fig. 5P and G the distance of the raply is reduced to half a ber. This time the nearwer is by contenty ration, and, as in cost of the other appreciations, is presented in two thick forms in F the base leads with the riving form of the sobject, while in G the issue beach with its falling form.

ger under egge

ير راز را رزادلي

41

STRIPLY, the solitoist is returned in the two positions (by new and demonstrate hashabitated resources, as subblished in STRIPLY, as the solitoist in STRIPLY.

re 6 th

e, frem stiftsmeren

It is worthy of rotion that these surveal examples of elementy (except them as the build-ness 5 and 9) follow the general low of the streetin, and become closer and closer as the composition of the school of the streetin, and become closer and closer as the composition of the school of the school of the school of the 5 and 5

The place of the half-like replies was directly after the oceanorposition, where an antidposition of the steets not unfrequently occurs.

Among other episodius! matter there are two fragments of cause's initiation that demands word of passing notice. They are toffended by Figs. 63 and K. 3J's as the 8th, 4th, and 11th below, not 5 Kr the 11th, 1th, and 9th below. This therea half-in-

Bealer Art of France

fearus, although so artificially constructed, every port proceed-

in the most enternland unconstrained manner possible, and the rosoft is, not a dry enumple of only clover of

piece of real systic.

Fac. 6 I

in 6A. Where we see the subject (it agr

motion, and in notes of half solar in the find bur, and has not voice, the alta, new onders with the short frem of sked the 2rd and 4th have of the original sobject. bur the langer form appears, so that we have three fast bers. let, We have the diminished form of the subject minst the find her of the original exhibit; next we got the insignibal from in percent moneyant against the 4th and 5th

GC and D calcife approximates as the half-har, but as Raticus are by dimination, as one will record there as you part was identical with the remembal similar devices received in the erryiers force. This composition is described, I newpose. that has ovident reference to the figures of ornamintation

Force No. 7 is a yet further variety of the combination of the subject with itself, in notes of sugmented and doubly angmental value. The comprehenses of the force is displayed to

Fig. 7.A. where we are the tence loads with the absenced force of notes of double value. In the third har, the alte enters with the shart from of the subsect against the second bur, as given by the techte; finally, the best enters in notes of doubly sugmented value, and on this there are other entries of the subject in tence





Fig. 7 B and C show yet other combinations of these varied forms of the one exhibit. In TR we use the lemost and shortest forms of the subject in fresh relation the one to the other, and 7 C is an emprese of an invitation that has not been employed before. Perhaps, at a fact reading, some may think that this fages in its devices is to a considerable extent the same as No 6, but on close investigation that will find it is not so. The conditions of the opphisations are changed - the parts reply at alte

intervals of time, or is an altered direction Each of those those farmer although closely comperted with the others by identity of select and several works of treatment. has not an own distinctive elements of infiniteably and introest. Throughout the three former that here that reproved our attention. I believe there is not a sincle repetition of a newtons

Art of France و آھي لاين لڪي ريمان آھيء 1111 أياكواله المستحددة الرون كشارا



The four fugues that must come under our notice are entempted of a mode of treatment entirely different from the fourpoint; who become placement of the treatment of the treatment of the treatment of the property, by one playing the different motion, and in notice of water white, there exists the subject of the mode from of it, in confinentiate with a whelly now than. This are subject is possible the whole of the first. This was subject in possible the other playing the property of the original modes by entire operations in the confinential mode that of the operations in the confinence of the original mode that of the operations in the confinence of the original modes by entire original modes of the original modes or the original modes of the original modes of the original modes or the original modes or

feres of the original subject by dealth contamposals in theorems.

International content of the contamposals in the content of the content of

most common and most useful. The 9th figure supplyer double counterpoint at the octave; the 9th is vention in double counterpoint at the 12th, and the 12th of 12th of

The Shi fugue is in three parts (base, alte, and teckle), near subject is shown in Fig. S.A.

م الدرور الرموالدهام ام - دي

The expanding of this subject (the networ being strict) comples the first their people have of the composition. In the thirtymath but this subject to kneed with a new constraint polythesis and expensed by the constraint. The entyrest and constranding are shown in Eu. 811.

\$ - 1 (100,000 | 1700.00)

In the winely-fourth har the altered form of the subject, be seen on the appear stave of Fags 8 C, first appears 3 in the based fir such vacie to sure, being accompanied by feen contripant in the other two parts. Finally, after further row of it confer material of the farm, the three subjects are broach?

Pm. + C

6.4 17.11.17

ه بیت زیرس

Bud's " Art of Page"

Triple counterpoint schule of its invention, real is the piece of such results in first of these inversions can statisfy used in the course of twenty-like first of the satisfy the law 1.0. As a consect of twenty-first using first law, heptically with 1.0. As a consectative consects in the supposite of the production of triple counterpoint, this composites is of proeffice value. No 9 is a farge thering for its leading bless cathgrid of farid character, designed for employment with the supposation of the engage of the contract of the counterpoint of the failt. The

new exhibit is only partly shown in Fig. 9 A.

្េខាទេ^{រី}ភាព្រកា

8-12-12-11-1

This new subject is developed by itself for thirty-four box. At her 35 the combination with the selected form of the original solvest commence, aroun 11 2 B, when the release subject to see.

41.0

A CONTRACTOR

in the troble, and the new subject in the toner. Throughout the crossinder of this composition, the original subject is thus attended by the new subject, or its investor at the 12th, as shown at of the same subject, or its investor at the 12th, as shown at Back's "Jet of Payer."

Carl Companie

perior

©, o _____ 50

Some eligist modification in the matter of antidentals is consistantly necessary (as in remnantly the one in double counterparts) points in any other netered than the centres), origing as the exigencies of key. This may be seen by a comparison of the orner mart of 2C with the lower may of the

opport part of 2 G with the lower part of 3 B.

The 10th fague employs the last variety of deaths counter, peak that Bach dibutness in the process werk. Fig. 10 A shows the expectation of a new subject, the treatment of which in somewhat remarkable, the encourse being at the 6th felow (in the key

Poc 10-A





of the subdantinest (and the third and force) regime being by centrary notion. The antipoet is worked above for transporter been, and then the force of the surgical subject, with which we as already facilities in Fig. 5 A, is totally developed in a separate orposition for where the sizes of them. In the first-factable, the true subjects are used, together, and afterwards inverted by double construpted to the 10th, as shown at 10 B and 10.

ᆙᇬᆋᇌᆀᆋᆝᆙᇬᇬᇌᄀᆛᅹᆄᇊ ᄣᇄᇊᆉᆙᅁᅁᆡᄜᆄᆉᇒᆋᇕᆄ

Here he convenients have in order to the 14th flags, which is self-a modelling fitth which has per degregal cut straining, subsch, the term compositions are adment the statute of composition to the flags of the control of the statute of the control of the contr

ampoint in temporary.

It will be breamshored that when generating of the 18th flague 2 mentioned that the meterial of which is in text or employed element in the 18th flague 2 mentioned that the meterial of which is a text of the original milest; it is the retrieval or of the adopt size on them of the original milest; it is the retrieval or the adopt series on the upper line of 50, and it distributed on the range line of 7th III.

THUMB

ووع المعلم المعلم المعلم لمالية

September Collection

The snowly, notwithstanding the skip as the entert to the decisions, is not treat last real, Back ovidently declaring to the wholelfor passage, superably as the decisions is the last outplaint than in sense other cases. In the lift pages it will be recombered the now subject was

as no this regime is not ne remaintened the new enlargest was new various does, and then the onligical unlighter. In the 11th fugue the selected form of the original relation of the new adjust of Fugues it is nevent here, this no increases of the new adjust of Fugues it is nevent for the new foreign the middle like of Fig. 11 with the upper like of 681 for this net/per). The subject on the middle like

ordinary multi-state for severe to the 1-th force administry of the severe to the 1-th force and 1-th force and

the one with the other.

The 13th and 15th constrepoints show another hard dericevite, the severation and revenions of the entire constrepoint, but this is effected in different ways in the two fagues.

No 13th in flow party. The arbitration is infered other state.

No. 12 is the ports The religion in altered into triple time as in Fig. 12 A.

Pro. 15 A.

1



The sewers is at first commutat mostlers, as it is really in the with Fig. A, with which the spheet elegals acrees, and with Fig. 5, which is identical with the survey to Fig. 5, the variation will be seedend. This counterpoint is a regular composfalle and sivie bers. In the inversion, which is an over reversion of the whole composition, the original treble becomes have and the base becomes the trable while a similar change tak class between the alto and tener, and such makely is recoved in the direction of the stop. The inversion, therefore, spens as in



was really first wroters. The corrector, sucreived a wise discortigo is allowing the more natural treatment to appear as the It may be remarked that as the result of inversion in the action is to change the intervals in the well-known order

so the rough of percent processed is similar, and the effect of

Back's 'Art of French!

testing both processes is to restore the several intervals. Fit 12C to F will make this evident; here C is the model, D she Fig. 13 C Fig. 13 P Fig. 13 F. Fig. 13 F.

the inversion of the parts, E the reversion of the scaler parts remitting in corresponding substrain to these of D, and F silvers both reversion and oversion, and that the contribute interests reverse the scale of the remain laboratory and the same as those of the scale. Such a composition monignosity where the scale of the scal



thirty-second bur of the model, and I the corresponding bur of the research.

If the corresponding the second seco



The answer in the model is by revenue movement. The composi-

time, being in three peets, it follows that this subject most hake one direction in two of the peets, and the contrary direction in the other part. This may be seen at 15°C (which is not a real extract form any part of the composition, but only shows the order, direction, and place of the reply, an interval of four bars is only posed to chape between each entry. The consequence in that

when we come to the inventor it is impossible to always all the parts, both in respect of order, direction, and material reliation. The opper could laver parts are invented the middle most ormatical

se to the model, but the order and relation of all the paste is aboved. The first of the subject of the inversion is shown in 12 B, and the order of pasts do in 12 D. This fugue and the in-Fig. 10 E.

العشاساليوس

∲ ബഹാത⊨ില

works from a very sixple remain of the effect of invention is simplicially subfraced accretised. The left of Figure resultine vertilisis on the forgetty of the control of

and notatively environment in a some contenting to an extraores in assets of this facily in dominic nontanapoint as the orders. After the content of the facility of the content of the co

dec a cauca in the octave. The entject shown under Canon 2

War The Control of the Sales of the

agrees is settine with Fig. 4. After tweaty four here of instation on this, the treble again leads with such a medication of the subject as opposite or with the attine of Ω_0 3, estimate of the scarce of the province-shipes 1 for the on the leading part gives α - contrary from a 1 the subject, agreeing with Ω_0 2, with include figures of connectation to those shown in the original behavior of the connectation on those shown in the original behavior of the cosmo. This cance may also affect seem useful times of

as to the management of the setters in an infinite source. For 3 is a cases in the 15th. Bit sho in contemporate at the 15th is consumerately set at the 15th is consumerately set at the 15th is considered before at the part of the 15th is consumerate as other 15th in the 15th is consumerate as other 15th in 1

Carlos of the Carlos to an activity of

The last of the feur courses is perhaps the most artificial in one struction. It is founded on a thome of eight hors, of which pas a bint in given under Ganes 4. It is a cance in the 12th, and

is also in counterpoint at the 12th. The thorne is led by the bass, and agreeced a 10th above by the treble. It is those conducted for thirty-three bars. In the thirty-faurth has the free part for the eight here of the thome as led by the troble; so we here When the droble has completed the lead to which it cricinal resource, and this of course results in a carry in the cefore ; and when in this order the corresponding point formshed

both picarure and peuti. The last dupon is halft on three themes, shown ander Figs. 15.

Cu - a [" | " | " | " | "

KO CÚCERO POR CECO POR CECO

no evident execution with the rest of the values in which it is included. The tradition that it was Boob's intention to add a Both sellips, i. Gira, horsen, e. dend gandle gaphanics, so we will keep be a ringer with the model in a paramology for the second to the the se

There areas the supposition that has accounted to me. I mention it only enganetrally. May not this fugue have found its way last "The Art of Fugue" by attribute, or as expolaracotal matter.

There are four considerations that to some extent factors the idea.

Let. The want of connection shows by the absence of the criterial actions, and also, the smallester of the data subsets with

tre compans emjete, done not agree with Rech's hake of selecting subjects for contributing of seriors contributed and serior in the serior of this fugue. But had subject to the figure in the serveral legal companition extending from 1 to 15, next are placed the three compositions that are critical varieties or forcers mealers, and then is their four counts, and there does nown

some waste of method against to reviewe fagal transment.

Pelly: All the other fagal treatments have been termed counterpoints (I quite from the only officiase), and any replace approximate to the period of the counterpoints of the period of the counterpoints and to office in fagar.

deligh, An the original obtains of this work offer at surple, in uneversit the cold of the act of Tages is cherche pointed, forty of new attents and regulate and, but having a subdise wholver argues that they may have notified that often realize beause of the intruse ratios, that become it multy belonges to thever of the intruse ratios, that become it multy belonges to thever of the intruse ratios, that become it multy belonges to thever of the continuous states of the continuous states of the contention of the continuous states of the conposition is a torze pul part of "The Art of Pages" or not. Be that of the con-

We are constitues almost tald that the fegure is an effete and

we consist a service of the processor are relationally to a good flash of the contract and offending of a sect of this processor of the contract of the contra

Mr. Barrers said that he experienced abnort a follow of calcury at Hr. Higgs baring seconglished a purpose which he and had in his world his the last twenty years, money that of penhere called. The fact was however, that Mr. Hann had done it on ably and as exhaustively, that he shought his long characted page rose would not now be ensued out. He thoulded Mr. Higgs for his very kind mention of what he had called a valuable rule, which he (Mr. Bacorier) had given. He was not server that he shorvalisms with which Mr. Higgs concluded his poper, with regard to the exceeding importance of the fagalend occurrental form of emporition. There was, be believed, a very prevalent notion onemy students that unless they were received to write factors or common they need not learn how to do so. But nothing could sing shadons a many endaring interest in nor form of commenciation than the babble or a reconstitute in their for the dahad been bearing. Therefore, if there were agy young profewers or students present, he would say to them that nother could be more instructive than to purvay such an analysis of all

these, providing that analysis with a view, not so much to wrote works like then, as to improve the quality even of their own lighter companions. If they took the lighter fagus of Back based the comparatively easy ones—e g, the well known No. 2 by taking until a varuer as had been had before them that day order. Writtag out in cosm spore was the most valuable form of elecation that a student could possibly have, and should be no means be thought a waste of time. A stadest might often think-I have taken the book; I have read it; I see hew it is the treable even to treasurifie oil those works in once score, so as to be compelled to think and use how the variance subjects. were treated. He would not that in strong concurredation of the habit of againsts, and thinking short presenting ideas in different aspects. He slways liked to impress this latter matter intere expells who came to him; and that was above to a worderful way in the work of which they had just been hearing. The true analysis for these to payers was anticess of form and construction. poer, -- now so common ; and no small service had been readered og the expellent coamples of the right kind of sealyes which had been foreighed that day. He repeated that he quefully and arted overs remark. Mr. Higher had wade, and thought loss for taking out of his heads in the admissable manner in which

would thank the Higgs the healing historic the matter as it of the dismitter's beauth, givenized, if there was neighter but but worked dismitter's beauth, givenized, if there was neighter to be the worked early upon. If, and give there the boards of the broughts. One remaind recepture social entires, and that was the accounting for event. Here lighter worker models to very much insculond; therefore, the wealth while the recommendation of the late ophthesized Peter Historic Comments of the contract of the late ophthesized Peter Historic Comments of the late ophthesized Peter when you have throughly instituted by four Novil. His suggested when you have throughly mostered by four Novil. His suggested to the late of the late of the late of the late ophthesized Peter when you have throughly mostered by four Novil. His suggested

are some and there was one peers according mechanics, as the band reason. They know it was a good difficulty to his space of the band are night any that Mr. Benineter into claring, and it is raight any that Mr. Benineter into claring, about do not about the mergy gent confirm when he was seen, and it was a very goost and to that that all identification in the anome about the most offerer on proposability or good in the anome about the most offerer on proposability or good in the anome about the most offerer on proposability or good in the anome about the most offerer or proposability or good to the anome about the most offerer or proposability or the latter of the same and the same and

hint, and the only hint got from Cherchini was, snawer the donament by the toric, and the toric by the dominant. But then there were always exceptions. There was mother little rule which Mr. Hinny did not mention and which he had sharred in Sir F. Onmier's book, and that was that if there was an interval of the distincted 7th in the subject, it was never offered, it was the same to the snower. He thought it would he well to get all these little hints in one book, because the anneentoe and trouble. He knew as a fact, that a fugue was the sawer was wrong He subscitted the subsect and the snawer to an apthornty of open would with the one that told he had does howelf; thus showing that dectors differed. It continuelly made a student quite alternable. Dr. Bridge said, now. But when one was looking forward to examination, of whether he would not the right namer or the wrong. The bittle hint about the alterations, when approaching or quitting the tools or decrinant, was an carelless one. He gathered a line of the force by the 6th of the descined. He had formed that

Mr. Christia Elevers intersect remarked that the atmost measuing of bools in spirit to figure has never been fully detailed measuing of bools in spirit to figure has never been fully detailed as the spirit of the server of the spirit of the server of the server of the spirit of the server of the

to Made to entemporare space of that was not the doublement intermediate the doublement in the state of the doublement in the state of the state of

Mr. Structure dress attention to the fact that the answer No.

g, with the supple exception of one note, was a pure transposition.

The whole of the neasure read in A muser, sed but for the keys note going to the dominant, and assessed by the dominant pair to the key-mode, it was a real fugue to all salestes and purposes.

Mr. Blots and it would be found that the chamelequals of

Mr. House and it wood to present the the consequence or most found anywers was then the least populse alteration was made.

Mr. Stremms repeated that what is a tenal fagure had never been recurriely defined.

Mr. Barmera with his tien had been that in certain subjects there was necessarily an alternities in the interval, in refer to person monitoling beyond the dominant; and that in such some the fugies was local. When we made alternities were accessery, as modulation taking place in the subject, the fugue was real.

...

Programm W. H. MONK of the Crists.

ON THE PHILOSOPHY OF HARMONY.

By W. Pour, Esq., F B SS L. & E., Mus. Doc. Oxon.

The Park Book by Ording I have as the Sopher of the special contraction of the Company of the Co

in the paper.
Bed it would not do to go to the other extreme, and support
that there were an whitener whothere between increase and
that there were an whitener whothere between increase;
that there were the property of the contract of the

It is only letely that such an investigation has been possible. inscensed as the physical enters of musical sounds, on which it ment reconstriby he haved was obscure, natil such great light of Halmholts. These when better resignated and sameristed would probably tend to create a revolution in our modes of

In such an investigation it was desirable to use great mation in the argument drawn from an appeal to the care. It had aften been assumed that what our sar appeared must be naturally right, and what it discovered weathe naturally wenter but eer, but one trained by hebit and education to approve or to

disapprove the things in oncelion.

Harmony consists of several notes sounded simultaneously but in such as investigation as the present it would be desirable to horiz with the simplest possible constitutions, namely, those of two notes tagether. There had long been as understanding that some of these combinations were more agreeable than others, conscenses and descriptors. But the philosophical question at care areas, What was the true mesoning or coase of this distingtion ?-had it any real foundation in nature, or was it morely enveloped or operational? The serior alleded to various attempts made from time to time to seawer the execution year. timbely the theory of the simplicity of rollin, as admirable the roughness carsed by the interference of beats in the harmaying of compound county. This was by no monas ever to understand in the original work, but the lecturer gave an expinthe effect of representing to the eye the represented effects were duced on the eas. He then exhibited the results in a rabie

which showed the various degrees of disconness of the several combinations of two notice in arthury rue. These recalit were remarkable, inserench as they showed other; and all that could be and was that preparity smalthan the consummers were near the smooth and, while the discovering were near the rough and of the scale. Hence the broad distinction drown in practical mosts regat be based on technical

Passing on to harmonies of several notes, or what were called cheech, the hoterer showed that every shoot analysis. of the shoot, as regarded in its natural degree of disconnector roughness, might be estimated by the communities of the various resents it contained. In this way he had constructed the fol-

COMPA	MITTER	Da	BXX	JOCE.	 TOT	EA.	
		-	m				
Egger tried.							
Perfection?							
deline page							
		afor i					

This table did not take into account all the elements that affected the car fee, for instance, the discording combination, adjusted regard character of the combinations, was a wood that

The lecturer remarked that a good deel reight he seld, in the way of philosophusal discussion, sa regard to each chard sepanamedy, the major and plany toleds. He noissed out the harmonies of represent servits, and showed that this was the that there should be one leggeriant note frees which the whole chard might he assumed to spring, this Rarman called the rainor triad the case was different, as no ruch rainral cripts of a more artificial character. For the same reason it had no presenter in Regiona's scars, and the word root agreed to it termily by English manifesta must bear a rays restricted or conventional mensury. The difficulties in regard to the sending. tion of this topes mereoned with more complicated shords, and employed by Euclish hymnosists, should be better defined. The modern German repeared to have given up the blea of deriving every shord from some one note as a rest, for no such idea that of Richter, the hard of the theoretical decastment at the Lairwise Conservators. He nonethron much the word Oncedia. hat he only applied it to the lowest note of the churd in the pormal monition, and name to an importance have contribe the shoot. The idea of national during tion could not constitutely be caused and

there so of artificial construction.

The lecture such he had no opportunity of going into pro-preserves, resolutions of discords, and other harmonic rules; if he did, it would be frund that playered enemie would be still more at facit. for, although it was possible to show good motives for many of three things, yet three matrees would be found to be of an artistic and substitut observer, and and

It must not, however, he imprised that the rules were, as that account, less kinding on stadeuts of harmony. There had been great mistakes on that point; and, in fact, the shief reason was that they occurred such theories were accounty to warrent the incalcation of the rules. Heat was not the own; an authofinal motive was as exact a warrant for a rule as a obvious use : correct hasts and erroneous theoretical views, did authing to sheek the overtical authority of the great componers, or to descript our admirators and respect for the interestal works

Mr. Razar anid he would begun with some of the best things Dr. Pola had albaded to. The form of calculating the months are because they both had the Erd and the 5th, and the layerens of the one was the same as the inversion of the other; and yet they know that where a water chord was interpreted and a serior cheed was intermed the difference was avendingly marked. There was no ministrier one for the other. He was talking of ourses, of pure shords, and Dr. Pole also dealt entirely with them; that was, chards in which the paper were exactly in the propertion percompted by the figures in the diagram. Of coarse to ardinary music they were not such, and therefore pribater renativiana had not the newer of housing them. Although he

ters by the car for the reserves, of stadeing the effects, within had never had any concernity kingelf of hearing the exact valutions until last surpose when Aroung arbitist his tousmaters in the Loan Collection. He was then three days for the

complete in the course of the year, for he was gied to say he understool the instruments were parobased by the Boath Kensingles Managembad led him to many complemations which he did not find sufficiently expressed in Helmhalts, or even he one who had supplemented it a good dual by savetigation, namely. Professor Manus. With source to the minor chards. there were three forms, all of which received consideration. One was the upwall one, where the relations of the vikewice to numbers were 10, 12 and 15 m the shorest firm. But those bright ware of an emproperate to the ene. He would say here. eros. that is studying the miner third, 16 to 19, which was alluded to by the facturer, he was able to demonstrate the effect of the 19th harmonic in as high an acture as that in which these notes were written. That had a very remarkable effect. It was cole does by charging that there were two sets of heats which presently care or twice the wanter of vibrations in the limits presently cano or two the manher of vibrations in the treest some, and which recurred when you had a sufficiently strong tone, with a partial sufficiently resuferred. When they hand the 22 and the 64 of Appears, with the conical takes estantial to it, the mattle was to obvious that they next not here the tone.

ing, by the partial touce of the most that they had to murly showing her by the have seine which he distinguished from the partials. The formous that produced was not a simple tore; it was a compound tone of a peculiar character, and he proposed to confine southed one in their lowest partials. That was to say, if the funda-mental one had 12, 54, 56 as to partials, then if he heren on 2 and was really graduced open the barp or the viole; when touched in the middle. If they began so S, and got S, S, 2, and so forth, that was another barmone. All the organal chards areas form. naine the harmonica which, when nailed have her, would undere forced in different ways, and therefore making the two beats between the partials which were within the heating distance more distinct than before; and therefore, when culy taken a few

On the Philosophy of Harmony,

at a time, predacing effects so different from the original tone, that the artificial torns were recognised, and had been dealt with se something entirely different. These beats there arese, for the and the restale, or the metals which could be read offiction by bushing with other heats, because they could always, more any harcacoters of four ectures, get a 16th exceedingly distinct. for the highest C, they would hear the heats sessing from that flatsay, that those of the beats which they heard were cely the beats

martials were applicable to a sufficient barelet, and were sufficiently sendoned. That was very distinctly shown in Annual's appreman. Then, if they made the lowest tone very low, the partials became lower and they came they to that which Helmholts only Arrendir, had more definitely shown manufor that the heating year does have there was a nonlikility of hearing the heat when simple notes of them which did beat, and the others went on not beating, therefore rendering the beats more difficult to get. He desired to point out that in all those which were formed as harmonion there were recoveredly coincident torus. Those he sether railed coincident town. If then they had a sheld amount of tars. produce a dissidence, and those dissident beats were totally disshock that early from That man stack home and comausoh more assorting for the assortance of the church did not to taxed depote upon my makes that heat. Rebability had wannumber or series of shoots, but with different effects accord. ing to the part of the scale in which they were produced. That was a most corected principle, and one which ought to be studied very much by composers, reperially by these who wrote for the orchestra; because it was for assenting the instruments approach, that they could prefer the different effects of muchbases and roughness apon which so much depended. The dissident heate which were inevitable at necessity were totally different. He had the apportunity of heaving this the other evening at Easter Hall, when Mr. Propdrug was attring a demonstration with a choic of more than 200 minus

which same purtly without accompanional and partly with Without accommended the shoots were all in twee were aboute When the group, however, played, the church were welled saids from one and, and all the duradent beats some into play. During On the Principle of Effective Conference on the Conference on the

differential tower to which the Pale did and albedo more more in harmony with the notes of the shord then the differential tones terms difference between the owner chard and the maye chard which was about fift. Hat the other miner shood was very which Pools wished to introduce, namely, 6, 7, 9. These were very mugde corabers, and it was a very good cheed. The difference between a cheed 4, 5, 6, 7 and the cedinary one, taking passed from our to the other, it was something perfectly awful He had shown it to have aufference and to remakes of persons who had been streng with the difference. They saw, these fare that in planing on a tempered seals that would only get a lond of rough shook of what haveour and mores really were, and beareholds of the offects of those estine was eather a hunneless. user a temperal scale, samely, on the mean tone scale, although modern harmonics went upon the setaal temperaturent, and theretired rules. It was a well-known flort that two towers would hardly ever tupe the same risas with the same fork in the same way; and two teners, in different mount ourtainly not

On the Philosophy of Harmony.

ratio pieces some note for note. Helmholte had given a year single side which was expectively convenient, by following which show would name be the tests next of a feating out. fallen from the lecturer, that he had only to thank him. He thought that remind men mucht be said to have your womenly need the term, theory of harmony; but hopks had been need by he might not know, but when correct out has theory of the occlashic fact of intervals being divided into worket and immer." feet. In an old Latin treation, the arribor of which he did not remember, he found intervals divided into three heads-perfect, the imparted were the 3rd and the 6th. That was of creat a modern directo. As regarded the very difficult question why it was that such intervals as the anguented lith, which marinanamongot the chords, he thought the captacation must come from the ward "root," he entroly agreed with what the lecture had and. He thought occur word was wrated to represe, not the natural generator, and not marely the bottom note of the chood They wanted accepting between the two. He had and the

the note above Mr. Bonangery still some doubt existed as to the correctness of Mayer's interpretation of his experimental results, with reference to their bearing on Helesbulle's theory of the cur. our second? Here did they affect the sor? Mover tried to it many fines per around until a conjuncte sound was prodeed; he then referred that houte recessful of analogous rater. regrises of socral, and would, in the same way, give rise to a continuous note. The absention to this direct inference was that enconsero beats were in opposite phases, and tended to neglecture each other's reprehense and not to maintain them. Suppose the little maying these in the ear, which convenienced probables to the paves terminal, to have its motion regrescrated by a small flywheel, as all produbes motions could be represented, then the series of impoless in Magor's experiment fell on a fix-wheel like gironmetenous the motion might be resortained, and a continuous sensitive of word communicated to the serve terminal. Dut in the most of bests, the anywhote from sensitive best steed the service to the service of post nanoveskip east, when he is appoint diversions, not if the ever road ago has to comply to our mode on their, while note that we have been appeared to the service terminal and the service terminal term

get in the tensions of time. The gave flower determination of the near of excitons of scales alone on the time was all produced to the variety of the near of excitons of scales alone in the variety of the color of the produced by flower. The specime entire is stated to the produced by flower. The specime entire is the color of the photospher of tensions are in the first of the photospher of tensions, and the color of the photospher of tensions, the color of the photospher of produced context on the color of the photospher of the color of the color of the color of the photospher of the color of the co

Mr. Stretzen and Dr. Pole had made some semple spen in the hade of dealing suites at a very long set of the small. He would reaction a greate at the set of part of the small manner of the set of the

The Street and Performance of the Conference of the American Conference of the Confe

not impossible. Was it true or not that the nessockes rates which had gone through all operates and writings was part of many pleasures which were very alon to your. There were many came under this category. He believed the fibres of the car, of which they heard so much, were bodie to this discrepancy, as to which it was very difficult to say where the agreeablences beyon, where it some to the greatest point, and where it gradually passed deaf needle had been shie to hear better when a drummer was There was the enalogy of taste. Delicate taste experiodisced on another stronger taste was more scarible. They might take it notice on the constral side. They know that existing conference in of meaning temperature was unaccentrally consider their approximates of meaning temperature and temperature an torse Again, so to the operation of officialism to new argusts certain new names into prominence, and he had found that, not many years ago, the French hors, which was now body upon as their most delicate and pure instrument, was regarded as a vila harbaries. They would find that in Dr. Barney Therefore after all, it was to a great extent a country of elacation. Then sprin, he heard from an advecate of the education. Then again, he heard from an advecace of the mathematical theory, that there were two or three money chards.

Mr. Exam and he washed to refer to a paper he had read to 1958, in which he pointed out that the stress ranks aren't occulturing with major whords, the roots of which, in the ordinary sense of the term, formed the infection super code. Dr. Potz and he had no objections to answer, Wife regards to the difference between the major and mixer tried, it would be

Dr., Pota and no test no experience to seavery. With regard to the difference between the major and minor trials, it must be recollected that he had said taken were some elements which were to taken as in second, and that we now. The major and salors trial, occasioned by the subset of the control of the had element in the poper many important position that he had elemen shield in.

PROPERTY W. H. MONK IN THE CRAIM.

By W. A. BLEERY, Eng., Max. Buc. Occo., P.R.S.L., &c.

I now codestates a difficult and delicate tests to recovere to med before an important women! body a maney treating of Manage in Cathodrale. Deficals, because of the risk one vara in rightin to a temptation to be either insterical or polemical; and delicate. as it is almost suppossible to speak on the mattern reconstrict connected with my entport without calling for the assistance of one or both of these realities in order to print the most to Sharinto the comarks I shall have to offer. The difficulty and the defence of the arbiest will be fully rederstood by those who at any time have been connected with any one of our ancient

cathodrels It is my wish to offer a few suggestions for the continuation of that loan, seeded improvement to the one and management of our outhorizate which has been an harmily improvemental in property of these referent for I are more there resent by two reasonable of these referent, for I am eyes there except be two reasonable opinious concerning them. I will only express a servet that there ded not originate with the budies who have adopted them, but that they were consisted as a property existen from external result of the chilbertson, material of basts adoption, the recognite bare been addressing you on a totally different matter

It would almost seem as though our cathodrals would record to the last changes of may over in their constitution and managemeri. But they been taken most kindly to certain modifications of their ald reactions, and this leads all to bone that it is not the determination of Desce and Chapters to be inscendible to the assembly of adopting other reasonable alterations of their nacional resistons. Some of the sharppes already rateriotees are good, and seem are bod. In both good and bad there is enough growns for communications.

They are reforms, and they have been introduced into a soil into which they are fishely to lebs kindly root, to floreish, and no fractily, contents yie all expendation. A containership resulted these reforms white to maintee of yirrad, and it is meeticen for me is any that as they do not come within the scope of my selected.

I do topi propose de bouch thème.

The present inter is cle is suitable versité and mericiane are merrare a versité mongration contaminant virial tende possible possible proposition contaminant virial tende possible and contaminant contaminant de la contaminant de

tension that the monotonian creative plants, depend a decree to have, as mile a, loog, is some over its teach, this part of my exhipte may be the means of elicities wholely epitions of questionable principals. After these means of elicities wholely epitions or active as most in equal to their elicities; a hald not, howquestions at most in equal to their elicities; a hald not, howcoming a most in equal to their elicities; a hald not howtwented. I believe that I shall be able to that entire or equally assign these to when I address model, for converges one for

treated. In these than I should be all the first being the property of the pro

With regards in the Tennemistered of these with previous of the state, it there prices when the staught as not strongly not compared, a required to the state of the state of the organical, a required to the state of the state to the state of state, in case of the state of the state of the state of the state, in case of the state of the of the state of th pattern know that then set of ten of the shallows of a close, when their votes are believe, naver one from it the behinding in which they formarly ministened, alshough they may be living saws it. It may not be presenantly for us to any low important in could be for the welchos of a cachedral, and for the forestrong of the corrects, that the origination of all, young or this, in copy way one of the contract of the contract of the contract of the country in the support of the type work a cachedral should have it ways. The contract of a city of total be to the religious life of

It was be bosed that one day our cathedrals was by made knowledge. Then the ability in music dasplayed by the child may be to regulated and developed in the young man, that he Ond had gifted him with a voice worthy of taking part to the by-cirrl. If however, neither in voice nor inclusion should he he explicited to take her most as a recognition would at yes be well to make the endonmer to attime the importation he has aloutely accepted, by employing it us a functional upon which to elerical or by offices processary in a well-preferred parish? I see of educated according to one design, drilled to one currence, and having its mind one object. Contradrel service will be a different by well backed affect but the extens should be better doner. The exetem of appointments must be altered. The higher officers abould be for what they have to do. No ongitular holy with our degree of window, either workfir or cleron), would ever think of appointing or accordent before they were placed in their stalls in the outhorized, walcon there was a measurable house of having a lease amount of work out of their afterwards. Dahedral offices from the bishest to the lowest, should be given as treats, and as so wards ; and if the State is to return the privilege of green station to the clorical dignitive, place-busines and office-sectors should he second in the appropriate order of the property of the prop or that party in the State, he should not recovered by an arrange. or that party is the lotter, or moved to be made with politics, not bessel for no eleme w justified to medifing with politics, not particular like as a resua for premitter, a special gaves both in the made set of the State frain, and all debanes better both he kept in their original curve, although more money magth he allowed form on a clase for their all record. But the state in enableshe should be given to those whose privine III has been such as to the contract of the contract of the contract of the contract trans of an extended office would be view behaved by these. If the lead been the case in part years, many of the somethic which while design to the picture of originaler restantists would worse have been de-

cast up to distingues them.
The office of inpolent, which many who hold make as humouable as the offices held by those who confer, and see supposed to regulate it, nights news fast here as office of office and outstrapt, expensing the helder to del the manurary singles the suggestion of the conference of the conference of the conference of the contrainment of the case who course year did done who regulate it. Have, again, the daws of new finite price powers of a better regard for the schoes and as holders; just 14th done of a bestring and for the schoes and as holders; just 14th done it much, yet

many, if not us most outherlands, are valued not according to their actual worth, but according to the money value given for them. The Conster that pure Etale purities sie payment by a correspending small estimate of the shifty of the recipiant. This is wars of thought to home for a thorough reform in this respect the law ground upon which they are placed as citizens of the world; for instead of emintaining a proper sense of their own dignily by a superior behaviour when not under the influence of a smooth) form they many frequently do infration to themselves and to the back office than bold (however mediconately such office may be paid), by converting with the lowest and the hasest, and may so parts, by onserving with the press and take a faceling as contenting balaits which make their name and take a faceling and a hissing. The love of workilly accordance, the simulation food which aparishas every sriest's lefe, is the secret of this follow-Is it not possible to tarp even this possibirity to good account? vatched with a view to propost or future purplement, company or expulsion. Outside the osthodral the enthurities take no necessile nesse in contact with: Where he kees the Chapter Clerk to but where and at submercal no one cases what heretwee of here or an a special picture. I the set that this is a pit conversion, I make a third in a third magh above. Hellowers indeed, in the concerns of those their power breither not excepted of policy, of set on a higher process, of so collen the injustion of a calabrida, knowing here little appossibly there is a possible of a calabrida, knowing here little appossibly there is a process with the basis above of crosses, crist when they are no control advantage. The occurs popic of interest, the waither the proof of controls country, and of consected her was book the proof of controls country, and of consected here as book

the plays of contents causilies, the size of contents of gas in sea dandwarding outside from a beam directed against the W. The world of approachly between the lockier of shatchash effort information way, the nowe proved its throughing to showth, if not while to destroy, the wealer. It is true that his home experisation of the contents of the contents of the contents of the greater expressions intensive as the compile of molecular great? It is he may of the recombinent of this wish calculation.

of learner invited to their headlest fields in histories. The most people desired a quintlest in these the regions. The most people desired a quintlest in these the regions. The most people desired a quintlest in the people desired and peopl

35. Formerly & was not as. The public also is legislating to feet that if has a right in error time both and midstanced at its the deference country of the deference country of collinears. Services are intransed and their performance superced, and automity more plays as unpertant homeses; and notification of the suntance of a contract of the deference of the contract of the co

The proper mediator between the shor and the Chapter should be the greenet. from his position and connection with a alliance with the inferior brediere. Not that he has little feeling for his fellow-workers, but the temptations offered by that maps rivels. "the society of the Close" often range him to may the proportion or the officer who, according to the statutes of the officere, is revely pegralar with those he is called enough to rule over The reasons for his conceptibility are needless to perturbate here. In this obton I would vertice to raggest that the precentor to each cathering should be a learner and a professional resistant skilled in the knowledge of maste. I would not, however, exolade a trafy competent elected effect, one who has conducted in an amateur, Whether he he a choic or a learner, because there always is danger of an engine tendency to layers that one partangles style of marte which every amateur counders it necessary to affect as his bebby, and upon the superficial knowledge of which he too often bases for clean to consideration. This cancosts a further comark which it is secondary to make in conconsumer of the meeting wines which both appropriate and argumcharacter of the muons bold to be entiable for the service. I consider that every style of good Church masse of all ages should Christian year, but I think some derroy of professor should be concess or enotion, the representative of the hobbs of the organlet or the precentor. Music written by Karlahmen to Englah words, for the English service, bue a greater claim upon our attentice and sympothy than any adoptetion from Boreah mason or other serrors, however good it may be as music. I will say recharacter of the views entertained by the latter I do not believe it erises altogether out of a Remarkings topdators on the part of those who suspence it, so much as cet of a draine to make all Christian worship of a certain degree of neiforwite. That some

expenses are repetited in those obsorbos that make a point of

ting onthedeals, I will not pertend to deay; there always will he foolish recole who is the encour of their seal will exembed the reach. I have every coefficient in the eliterate raters of there analysis and their prompts to to the simple regions of occurren I have alleded to. I have no design to ask our question here why such adoptations are made; I will only say that we have naregarded treasures of our own, which to my mind speak more elogantly, became more neterally, than any adaptation becomes skifed it may be. The introduction of these adentations has the materies, and fitting certain expressions with corresponding scale passages, which can cole be effective when treated by groups of the beyond order. As it is, there was regelificent, these falsely accounted words—on short, this plan of word worrying, is indisting in the extreme. This is especially to be expected for compours also are occasionally ind every by the beasts and variety of the effects madern organicate expadit of producing, to write their musty in the style of organ solos, with the accompany ment of votcos. The effect of that has been to destroy the beauty of an Charlest announce to new observe. Where we assembly a body of man is now eachedral in England who know how to many a 'warm' properly, and few are excepts of straying a sale senertebly. The art of cathedral singuity in lest, and choron singing has taken its place -- worshmation has given place to vocalization. It is not apparently occasifiered accounty that the expression of the voice the ear. Writers of eathering music, sound to the occasion, write market. By magazineal I do not wish you to understand that I recen swettened maste. I think that Church maste might be made to appeal to the higher emotions much encreasfully. I would make as kroud a distinction between the sensational and the emolional, as I would between the thestrical and the dramatic Many of as I would between the thestroad one the creaming Many of all so strongly engreeing of the theatered and the sensatural that the ordinary come accompanyments of these things are expected as a notural sourcece by the integer. Until the rightat arread existing will be filled by those who spoil a good coase the their own nexts. There is a realist ready and willing to us. receive absolutely scything that is effected in the way of supplying the deceased which the ownkered viscous of the Church reasons to Bustrate the service. Componers may write, for the public support of the esthedrals. Manie, which forms so importage a

part is the services of our sathedrale, until lately has hardly redemands. There has been therefore on steady attends of workers. pecessary to form or to continue the tradstone of a school. The of members, and all interest on the part of performers, had not them above the paltry popularations which too often unknown them above the parry connectores which too tried management tain in other matters. But a cleange has taken place; occaponers have never the life other men reason commercially. If a man to hosteen finds by experience that a certain branch of his trade is angredicable, he abandons it without remove. however much librar he may have had for it. A different feeling leasing the money works to him, burness he was sensible of the prosestly of aboving the superior inculse within bosself to bring them forth. it is perhaps because these suicide the world of art have been for pure long, as puter a true mornious does. Men inner in all cale to was ofcotty, and come genera would care up and ecopily the missing need. If they deried thatleng or furniture for became they did not order it, they were noder no obligation to pay for A. The bestery of masso does not occasio many autanosa. of composers who have become milhonores by writing for the Cheech. The leatest of society close on many expendes of man

Charles. This interprise should give an usual manages that come that measurements are subminished with region to their this is of inflation, and the control of the control

other measuration, were to search only exceeding to the law or design and demand, and were to said in property and demand, and were to said in the received and the second of the second

necessary for a tendo union of imminions, that consideration should used for netwithstanding, as we'l as any other office, for at man size to saked why it is that no cognily small remeseration is never offered to others who 'excepter to the temple,' and why the special value of the privilege is not equally insisted upon in If a room confines the energies of his talents to the service of that the norther character of the work he has to do as a sufficient make-weath t for all rand labour. Blong a man, he must perform ent, and drink, and be elethed and housed, and bring up his shibles in the fear of God, and to become the laws of society. as all ere, to she can existence by all costs of chifts and ends frequently undignified and unecopyrial, and too often to the seasoned of the audiety to which by belongs, and the place to which he is attached. Everyone, therefore, who has the gift of music to any degree is justified to taking his talouts to the best market. I cannot help forfine and expressions a dealet between whether to bring a conditable estracte of English masscal genus, either in the present or the future. Cathedral music, like the cuthedral larger or forms feature. I are nucleable sum of somes that the good alone arappe these commutations will survive, and that the poor will die a natural death, hot I do not think that commission. will go dree, if not as a surrow and a shane to ra, at all every far a michig in only way worthy of our extended and exhausive knowledge of the art.

Discount

The Charmon and this was a next intensiting and tercahany paper, constraining entitivents with which he lathers they would all not only agree, but which had long been with more of them almost part of thirt edding life. He count and hanced does not become of being economical with any trans-homomed embedral, at it wants not be supposed on this occurs that he was a full sufficient to place continue. He had concern that he was a full sufficient to their continue. He had concern that he can the continue of the continue of the publication of the continue of the continue of the publication of the continue of the continue of the continue of the life on the presence of embedselve in the present days.

The Charman sold he believed Mr Oshome had been a subbedral organist, and probaps he might been assurabling to say on the subject.

Me. G. A. Outstess and it was calls tree that he legan life as a squarts at Hamelet, and he was beginn yet not pit the locked back with the greatest pleasars to that period of his life. He follow was a lay view and organise of the statellards, and he very throughoutly officialed for bios, so that he neight really chim to have been operated. He was not do revenue despites of the possible measure, and otherwise and do revenue despites of any consider concern, and otherwise he wind to lard-host of the first period of the control of the despite of the possible concern, and otherwise he wind to lard-him for first every tending the parent's Children's in Bubble, on the control of the property Children's property of the property of

on a warples, and justed in the orbot. He convenient was, that yee used not have a none perfect heart for remined solvantee likes a karasiselps of Church matte, become it goes a solvantee likes a karasiselps of Church matte, heart in solvantee is not being the which was obveys as developing. He could not say that in which was not been as the solven and the solven as the solven as peaked not peaked not peaked to be solven as the solven asolven as the solven as the solven as the solven as the solven aso

con any matther, or as to plane years kind. Most sail, which we extended it assumed by two relative bigs, and it aid proceedings of the properties, which can deviate the said to the proshould make the properties, which can deviate the said to the prolemant of the properties of the proper

to the result of the conpage which is about 10 months of the conpage with the analyst Mr. Sharrest behavior at in the west liberinging up of the sharr beys, for if they were not houself to even it reincipation that the future when re-lead correct of very all reteriors to the contract of the contract of the contraction of the contract of the contract of the contraction of the contract of the contract of the conlete of the contraction of the contract of the conlete of the contract of the contract of the contract of the Mr. Mr. Shart contract of the contract of the contract of the Mr. Mr. Shart contract of the contract of the contract of the Mr. Mr. Shart contract of the contract of the contract of the Mr. Mr. Shart contract of the contract of the contract of the Mr. Mr. Shart contract of the contract of the contract of the Mr. Mr. Shart contract of the contract of the contract of the Mr. Mr. Shart contract of the contract of the contract of the Mr. Mr. Shart contract of the contract of the

Mr. Hann expected his cooffiel approval of everything which Mr. Harrett had advanced. Mr. Starryon said in narre had the honour of being connected

orth any subshirts, has, combining sense of the strong star schole, he can be been under periods at an extension of the best manner, beginning the constraints of the singuistic superiods as at first leight it agreemed. He, fluorist, it mendiants of the constraints of the constraints of the singuistic superiods. He had to exhibit the singuistic superiods are superiods as a singuistic superiods as a singuistic superiod of the singuistic superiods. He had to exhibit the singuistic superiods are superiods being some from the very highest singuistic superiods. He had the superiod is made and the singuistic superiods are superiods as a superiod of the singuistic superiods. He had the superiod of compelhency, but he options was, then such dange from a low results of the superiod superiod of the superiod of the

denotes of onlinding masis might be coving to the previous of these low regions, people looking simply to that which paid for the sizes being simply to that which paid for the sizes being sixtend of to that which was really true in act; just a true remains an outle arrow that of expiting hat of following the funtation of the certain constitute. All their efforts, therefore, for the programmings of imposed corresponds about A.

in his spinion, he based on the very highest motors only the Consett of the College The obser-boys were sample of the collegists institution, and received their education has others. The rise was some thirty years and and he had he simply and of those who had the piecess of carrier it and The various esthedule had only followed a mailer planappliebly one great cril of the past writen would long ago have disappeared. He commissed that some years ago the Rev. Mr. Whiston of Backester, made a great susbaight on the Mr. Whisten, of Rockecter, made a great custoning on the penciles of the cuthodrals in that perturals, and published a estitled not extense schooling but to be expected in the cathedral and afterwards at the uninvisite. This was nery for from below they might keps that the activity shows presently at their own cathedral, and more lately followed at Worksinster Abber, would have the effect of surving other enthodrals to like exactions. He which they had entered, because of the ingeneralities of personaling If he were not mintaken, it was the right of every buy who did

which they also stored, because of the impromediate of proceeds the wave an analysis of need to gift of the party of the fifth of the wave and the party of the first of the party of the fifth Whitelesser stooks and as a timorph was also within his mother was also because the party of the party of the party of the control of the party of the party of the party of the Karley and the control of the party of the party of the Karley and the party of the party of the party of the Karley and the party of the desiration, but the three clearly the observed of the desiration, but the dispersion of the party of the desiration of the party of the party of the party of the desiration of the party of the party of the party of the desiration of the party of the party of the party of the desiration of the party of the party of the party of the desiration of the party of the party of the party of the desiration of the party of the party of the party of the desiration of the party of the party of the party of the party of the desiration of the party of the par Chanch mode than this which had some draw to them from their fourfathous; but it must be acknowledged that they avoid the Chanch mass wratter by Gibbons, Beggen, and Parcell, and their responsors, to S. S. Wesley; see to the featuring care of the mathetions condo which they fixed, but to their own love of their drives and. Hight not the calciderish do more for the exceptagement of deep relations as a part of their mission?

encontingeness of economistions as a part of their instance ?

Mr. Bloomer and there had been an improvement lately with regard to the hope at Westerlander, and within the heat three stouchts a heave had been furnished and every confider provided for three. Their education was also better attended to, but ther had not went the mirrhary of automatically risk Westermister.

about The Cramman and they were no doubt on the ere of inprovement, but it was not doe to the exchafink themselves, but to public quities sating upon them; sold like every other represences, the influence cares one from above 100 from below Me. Braum remarked that the fullye of Professor Walessley, of Combridge, was a doubt by all Westmann, out was obscioud.

or Westmann region. The street of the street

grater part of their Glavels small simply for the slope. Secreticless the meaning when work from the lines of our two same to produce the lines of our two same to produce necessiting which would fire when all rooters make a complete two states of the same two states are sufficient to the same two local such as mark in this contrary, either as surges or composes, and learned to the size of the same two local such as the same two states of the same two sta

what regions to this plane or converting cripids. Its I had had not not making the quantities of pitch a great door likely, and be frend 100 years ago by Die Beben Strike. The property was examined about 100 years ago by Die Beben Strike. The higher colors plane Strike the higher colors plane Strike the strike over an at a high pitch for C, so that it was a whole team larger than at present.

Figure 1862, while he had not presented substitute, but to present the control of the control of the control of the same control of the control of the control of the control William and the control of the control of the control of the William and the control of the control of the control of the control will be control to the control of the term of the control of t

eg, to, and A, but to be encurred by the sepratio voices, with the other parts had to take a subordinate position. † He Barary said is had been his beings stoppy to offer a few associations invested the improve

special control for processing and the control of t

• Bibbergents measurement showed it to be Q 4978. —
— It for Silva has since socretained that the pirch of St. Paul's capus as:
— It for Silva has since socretained that the pirch of St. Paul's capus as:
partial, and about two comman after Breach picks. Also, that the pipes of
Westmanner Medic Oppins in the yold was a 40% or 40%, but also pipes of
the comman showly of their Directly pixel. — Sich has very man fairly
half a comma shorper has Preach pixel. — Sich has very man fairly
and any present amount pixel. (This is a 4.6%) — Sich presentation.

Many or Outledge

first right. He believed that St. Pwal's school itself was founded with this object by Bean Colot; at all events, it is certain that the corts obscious of St. Peally Riv Thomas Transa and others. were 'Paultnee' The restoration of this right is not new perture necessary, as the Deep and Chapter have recorded an expellent school. There are many whose, however, where the characters ore expinded from echools primarily founded for their chief neo and bracis. There was a school at Chichester founded for this surross, also at Ducham at Godisle, at Godisbery, and other knowing Miss Horse Harkett, a dear and lady who spent her her life to the embessors to impress Denna and Chapters with a ceuse of their duty, and she was gretified at the last by soring He agreed with Mr. Stratton that Cutbelled work about the written from a back motive, and had desired up to state most distinctly. These Cathedral componers who had made any mose less of the money profit which sorred to them; It was the clargy class who had discouraged them, and as Mn Stratton addressing them open their own lovel. He was hought up as as become so, and he happed to see these process affected to other classes. They might not be in his time, but offi he should be harpy if he had offered our expression which would have are induced to establish basic and under owners which esthedied was hartly brought forward, but to give it due deliberation; felt to event of which time alone could recor the sales.

May 7, 161

H M BOSANQUET, Est, MA, FRAS, FOS, F

N THE CYMNASTIC TRAINING OF THE HAND FOR

By STEPRES S. STRATTON, Esq.

Bittom entering upon very subject, I long no comment or explanation. A case date an expensity in the instance, see asteroist. I man and the subject of the subject of the property state. With the subject, and off my best to such the work becomes the subject, and off my best to such the work become by latter and otherwise, but without moreous Bittomyanthy, this fore. Belowed Young of Offices, who have Mr. Archeston, intromoty latter and otherwise, but without moreous Bittomyanthy, the See Belowed Young of Offices, who have Mr. Archeston, intromotion of the subject of the subject of the subject of the subject time that this howers, I designal 1 might be delay some pool by bringing than input before this Assessment, as it means of grant inputs and the subject of the subject of the subject of the subject was a subject to the subject of the subject

After the solverities outliers because the solverities because the solverities of the solverities. The solverities of the solve

for particular the other scenes, and for developing the code-mannia of the water stock, is, in the telest, shinkedly powerhos. An assess as the forgers are expected of graphing, whatever they shall in cornial to the tooch. If some, the excellently to booch and power on action in the hype and lengues are the first tools to knowledge. The cross of the hand in a follow experiences. In these, the hand in an instrument of mind, cot an experiences. In these, the hand in an instrument of mind, cot an experiences.

Mere, presentine, physics and past between this most difficulty and executional vote of the fine and completely execute and, programs are also protecting, great strength and protect, it is except consisting of the head I share have been also protected by the continuous of the continuous and the continuous and the continuous between the tension the tricinia question for 11 includes that minimally for very 18th anticolor, promptly become the head long a question strength in market of their new to have discussed of any reportunes, which is the continuous and the continuous and the continuous and security. We have with 11 includes the size of a some security. We have with 11 includes the size of the size of hear in againty, in panaloting theying, parameter, guide a new condition. It is or depring to good to a point in 18 or in a filland to

Suggest

Bastances are not rare of remarkable spritted for the plane in very young persons; this I believe to be a faculty statement, young persons; this I believe to be a faculty statement. It is worthy of remark that sensy of destinated performers have had parents of mans, and often of great manifold tolder. Performer Blinch, in the great wards or "Hardytt," green many instances.

High In the great work or "Handing years many transmiss."
The thin should be trained on the proceedings, we find a Territor the reader the state of the proceedings, we find a trained to the proceedings of the proceedings o

and on the upper keyboard, as which one string can be straight with one, or two packs, the presence was of from site to less than or two content. They menters person, I found none—stripkin-to respite a pression throughout of about its correct, either pends—a pression of free site cances in the boar to there in the table. So they as key resistance goes, the (innex) penetrally scales that the harpithood, but, in the thirty, large sciences, exceeding the content of the

present—a present of frees with cargos in the lose to divisible states. As the six premistion good, the placed in general is the financial general field with the spars, color the financial work, while in the fire for the same produced by disply presents, whereas, on the hampstelment is the same produced by disply presents, whereas, on the hampstelment was produced by disply presents, whereas, on the hampstelment was produced by disply presents, whereas, on the hampstelment was presented by the same produced by the same through the same through

lead tens, and frequently to seem it at il. Now, few we issue the sant of one gas in Effectly to had traving. For every retcontrol (agence of time the free of the pressure or their spec the 1-2 to exclusive filters be not producement for reasoning the flavor of laters in probining the filters tame on the pract, but foregreening it, identically against a contract of the processing of the set of laters in probining the filters tame on the pract, but foregreening it, identically against a contract remember proper properties. It is shown any the settlement of the transfer of the band than proseclated polytric, and, hopping companies of the band than proseclated polytric, and, beginn contractly, in a grantly for fagure to require durint. The following

cover has not hard content to the presentation of the theoretic Whitein Allahimo-Off this financemen for white to not its obtained to the country to the content to the content to the country produces or, one just published by Professor Bearing the country of the country to the country of th

parameter curring hays absent this basiciset that it may speen the summary. Here illustration was because, not satisfied with the meaning. Here illustration was been produced as the satisfact of the satisfact is the satisfact of the basic satisfact of the satisfact of the satisfact of the satisfact of the basic satisfact of the satisfact of the satisfact of the satisfact of the basic satisfact of the basic satisfact of the basic satisfact of the satisfact of th

trafici in Herr' von Behar's room and treed his piezes, wheth has, a harder tooch, here the presents would have insensated to one handed and nightest and condents over. The discovery may be of inherent in passable who are saveres here great as effect of the horizontal passable who are assumed here present as first of left of a German present of the condent of the

Could so old horpsicherd player look through a most synklishor's catalogue of to day, he would be assumed at the insucess collection of technical studies for developing the mechanism of the hand. He would either think we had wefully decouprated physically, or we played upon some instrument of shortener core. etroction; and such a statement to I have expeted would not

re-essent him on the latter point. Leaving the technical stedios for a moment, lot us briefly glence at various attempts to overcome the difficulties of hand

The coefficial of which I one find now mention is noticed in the The certical of which I can find any mention is noticed in the Countries Musical Managine 1821. No. 12. The proportion was styled 'The Boyel Patent Hand Monlife,' and the inventor was Haur Howice, restricted to an assatour manufacte player of great acquirements. The following is a corruption: 'If the under part of the hand and wrist, as for as the knockles, of a best resultle resilies, could be rerested more a bed of clear, the monids. They are those undefind in wood or leather, and attached kunckies, a wooden greave is fixed. The groces to se fitted as to you seem a cod, which is about at any other, boucht by a six of apparatus a para the ledge of the provolerte which lies below the to receive the best noughly continuent the hydraced. However, fuled, insemneh as there is no one best possible position-except for one kind of passage

Other marked and contribution was the chirochest hand subtre and grounds; the latter I produce. All these things are mintaken The expecte for certain actions much be introduced and no ex-

The 'exposet' is simply an instrument of forture. It as more societa pay Enger to left shelf thus I assist a shiki who wishes

Managine for 1845 contains a reprint from the Atlas or newspare of exact condicat recursio (in peneral) on munoforto playing 'The groups of the paractives demands, as on assertial enabley, lette assense—the new difficulty that green out of overy new by the energy of some one got of the small become elistered of Engare-agers, that each ker must not be movely touched [rigging h but that its force must be salutiated foruted] as there weakl be no equality in playing, we may, -please note,-

300

recurrency uses to the formation of a perfect mechanism. It is allower goes to the formation of a perfect mechanism. If the hand of mon were critically crusted for the purpose of pinnetice playing cuty, the difficulty of ampriring markey might acque some transit importedient, but we must seek for the source of the allowed translation of the source of the sou

Seen remove or destinated, restrictings and in developments, in "the Massie of the Massie and Massie an

This is not trained by the control of the control o

White, tee, in the little verte, "Face and Bayen," size seem goal orders in two desirating on the forms take present to "The Baylish Minkess were less ages agreement to "The Baylish Minkess were less age reported to a strick form." The weight ages with sealed standed to strick to see the season of the season

schiest we have found that pupils propress such more supidly both in music and postnasskip, who are first prepared by a knowledge of the structure of the hard, and by special executes colculated in develop the synder musicke, and to render such independent of the others."

products of the others."

The Assertionae must centainly be in advance of as, for I do not know of any elementary work for passo which teconoccostful cuty of the authors of the band, one do I know that each a each or expect as yeteranocty togeth tend, one do I know that each a each or expect as yeteranocty togeth tend, one of the reservoirs, then explained contains of the forgots here only very recordly bein explained.

A Proof by Mr Charles Lanza, "On the Power and Niconstein of the Mind," special in the Orderion of Angaps, 1985. The other Mr Charles and Mr Charles and Mr Charles and Charles selecting at Sattle, Mr. Life an invested a positive of the Inteltion will could be singer to a search the topy are where the a contract of the Intel-Sattle and Intelligence of the Inteltion of the Intelligence of the Intelligence of the Intelligence and Sattle, in solid solid price in the Sattle Angales, the Intelligence of the Intelligence of the Intelligence of the Intelligence of Lange of the Probably of the Intelligence of the Intelligence of Lange of the Intelligence of the Intelligence of the Intelligence of Intelligence of the Intelligence of the Intelligence of the Intelligence of Intelligence of the Intelligence of the Intelligence of Intelligence

* Dictionary of Musical Torms, 'to very integrative. For the first we find the emboustion of the topogent weakness of the third however, Mr Ward Jackson's work on 'Finger Gymanics' to the most important and moful. The radicet is tented annual colle, assent flexite, and prooffeelter, and the back descrees to be cased more white known than it is at wrongs. Mr. Jackson. and marical instruction particularly. He found the method of system. Ho visited sovered maste schools and conservatories, in-"The short difficulties are proposite, and the orde way of ower, contant there is perceptual practice of flarer expresses." It was admitted that such work was very trying, and students were awardises abliged to discontinus playing for several months; that on receiving the reaction of the rights offer many years' discontinuous, he experienced fallegy ofter a few worsted enroots, although well and strong. He visited workshops of different kinds, and found men with arms like starts, but fincere

and early and early his described in general connections to see the control of th

After giving a family time of this restless resolves of the heat, the notice presents a series of convenient time has relieved. The notice presents a series of convenient time has relieved proportion, bettering that the religion of a transpill, while through the receiving, but neity of present products which the darraged the receiving, but neity of present products which the thread the religion of the religion of the religion of the term of the religion of the religion of the religion of the term of the religion of the religion of the religion of the term of the religion of the religion of the religion of the term of the religion of the religion of the religion of the term of the religion of the religion of the religion of the series of the religion of the religion of the religion of the term of the religion of the religion of the religion of the term of the religion of the religion of the religion of the term of the religion of the religion of the religion of the series of the religion of the religion of the religion of the term of the religion of the religion of the religion of the religion of the series of the religion of the series of the religion of the religion of the religion of the religion of the series of the religion of the religion of the religion of the religion of the series of the religion of the series of the religion of



tions of the head. I wish to show your extension now to the transverse ligament on the unar (pulses) side of the head. Some time after exercise, and frequently from want of exercise, we are not to me our executes are stiff. This I believe to be a forme of speech I think the humanuts efficie, and probably the tendons special. I their the Ignations stiffen, and possibly the truscent At any rate, after trying those cylinders or wedges for a few measures, a wooderful feeling of feeches and chatisity is the weak. This treament of the ligonoute, and some casones for features of Mr. Jackson's system. For research which will engour bian I must spring recover the accounty of once and maderation in these gypmastic exercises

I have endoavoged to show you, to the best of my ability, what has been done for hard teninger, and especially by Mr. Jackson. Now I want to prove that those yet remains comprising to be down that our knowledge has not enhanted the subject Indeed, if Mr. Jackson's constraint were alterether accrete and since 1865 (when Jockson's book was published), not only have opinions on the subject of gyranastics have considerably madified but our knowledge of physiology and narobology has become more extended and advanced. The vices I are about to rabed), and the exercises, one threefore to be considered as some

In sedur to realize may brookwant of the subject as complete as pencible, I west call your attention belong to the anatomy of the head and the views bold on the subject of newtoniar contraction. based, an analysis of the sections of a few and the part should by -a rabout not sufficiently operatored by musicane-may be termed the months side. They here to extrapolation my unlable. olumn to my friend Dr. Correled Done who counted not up therearth dissection of a hand for my emidance, and otherwise gate my much assistance. The descripts I arrange describe the Green, or Co.) by another friend, Mr. William Breakerson and artist to whom my best thenks ore day for the admirable meaner to the messeles, tendous, and ligaments, and with all submission. as one who knows but little of the spinich. The hones of the wrist are right in number, and nested by figuresate which canalle the wrist to more in any direction. The transverse lightness I wet over extormen or bending lack of the Saure. Each taken of the fingues has its peoper bynamegic. New heat at a frame I have found that some persons amerine that the manager are in the fingers thermalron; the fingers excisin only the tandom (which are bound to them by flauns alcothe), the muscles themselves being lower down, in the hard itself or on

The briefest way of putting it is simply this : there is a messels to boul out for a finger, and one to draw the fingers together and Bills facure. These are of coated on the nucleously of the area or in the cells of the hand. Messles to stratebles the fewer or extend them laterally are placed on the back of the arm and hand. The thursh, first and fought forces have additional raterace muscles. The tembers of the long rateraces of the second, third and fourth fragers are attached by elice passion from each side of that of the third frager. The marches between the heavy of the head (the meta-pres) bears) are new regard. exced in their action. In addition to the functions pseudosed they combine with the long extrange in circightening the second bearts of the Supers, and alone subced the third trieds. So that at fines they set with, sed at others retagorer the retion of both the long extenses and fonce remotes. The proof has its own tendone, and even of the analier russelse. Movement of a limb

is effected by the contraction of the meaches If man your a simple markets that monograph might on on or sace not cely wonrinous but sharp pain. The nature of truecolar contraction may explain this. His Charles Bull agra-m. A stationary condition of the hint; results from a belanced her regrelated active of all the resuctor, which condition is called their tone. Nothing appears more simple than reising the area, or pointing with the frager; yet in that single metion act only are temperable remodes out jute autholic, and on teasy theory, out tecing or adjusted with the remost netwice, though is concern states and reduction are not of sufficiency account that the source taken from one class of transfer may be considered as bestewed on the other, so that the property of life which we call breit. would be the one on any other supposition. Areks .- The power of contrastion is a mind property. The configured action of a membrithmerfore calcusts its stable. New to express their action there must be a means of monoarmy or maretaining the excelsion of the blood within it, that being the scerce of all vital power. From 'Quere's Austonia' we here that the moscales there are codewad with authoritishin to remarkable and chamatoristic property, by virtue of which they shrick or contenet more or less monthly under the influence of certain consen which are entable of eartiest or calling tota play the presents in

question, and which are therefore samed stimuli, they have a telephor shouth commoned of shutio firms. These

continuously from one turninal tenden to the other, they very sensually can associal; and, although they converse tempode their tendings attackment with various degrees of inchration.

A view of a totally opposite phenoter has been lately put forth by Dr. Ches. Hard Radeliffo. His work "Denories of radiation is the result of convincing experiments. I give you the substance in hydrot form: "The view of muscular action which I have long held in one which dispenses altogether with the help of a vital property of irritalidity or toricity." Instead of recordfor the state of active in never and wouch as a manifestation of visable, there is indeed wason to believe that it went be brought and that a different measure, also based more pure obvoice, must be stinched to the state of rest. There is remon to before that all kinds of siretricity set upon nerve and muscle by way of charge and discharge, the charge notagonizing, the discharge normalizar, tha state of action. The whole case is simple crough.

*(1) That the shouths of the fibres in nerve and remote are canable of hoter obersed like Layden jury, and that during the state of rest they are so charged. '(2) That the sheathe of the fibres in mesoic are highly

ettruction of the two opposets electraction, disposed Levelen-incwise, upon the two surfaces of the sheaths, compressing the clastic substance of the aboutle, and so consing alongstion of the * CC. That the manufact fibres rections when the state of matthis discharge leaves the fibres from to return, by virtus of their shadoute simply, from the state of citegotion in which they had been previously kept by the charge, and that the dervee of contraction is proportional to the degree of elengation previously

The electric Enchance, according to Dr. Radolffic is sucknown. organia of string an electric shock sefficiently powerful to knock used as a seasedy for goats and fevers. In man the current of the or shaking hands might be a dangerous proctace. This action of mancie cannot go on without intervals of rest, it being possible to enhant the electricity, thus fringes as easily explained. Daes not this view of nameoun solites, if correct, seem to posit out the natural remody for local paralysis, hought on by over

of the arm and had no formed voluntery monois, ond are not the notion by ordinan. Will implice necessions—on reach the notion by ordinan. Will implice necessions—or reach tary and involvationy another, consequently or perform action with an advolved consectament—in black being fromten exploced. On the other land, recombing to filled. Consectaments of consectations, the consectation of the other land terms of the consectation of the other land, recombing to filled. Consectaments in term on that or major series, and though series in these of consequences must be in significant on they are in that mornels are approximated to the consectation of the consectation of the point appears, and this necessity of the satisfage that the state, and

BUREFACE CRESSIES

If we my to treat measurements of a lost and a measure, a other and a phene, it will be seen that one dan articles the other, and that we can think of them only encountryly or alternately? (* Herselfty,* 9, 49) not requiry moving of all organs, and this The eye is the most requiry moving of all organs, and this

The cays is the most residity moving of all organs, and this scarching matter, says the Charte Held, in controllad is vision. "On neutrag most a source on the whole subs of it, as we say, year, at excercible source, the plotters, the correirs, the chains. But we are described a and that sature from our being maintainties of the nections of the type, for each object is requirely, as exercity, proceeding but he had been accompanied by the controlled to the root executively, proceeding the first most executively, proceeding the first offerencial such as the being "The source that proceedings are the being the controlled to the root executive processing the state the region of the controlled to the controlled

and the optic nerve probably not less than 100,000; the farmer far movement and the letter for receiving impressions.

"Though velocity of thought recent to dely all insourcement, affil it has been determined by Edinbotts and others by meaned,

gaugeste synthesis. Perform book is his need, Mika and some of the sound of the sou

occupies from emerical to our-fourth of a second; if it is not agreed upon, the interval in our-twelfin of a second more. This we have physiological avoience on the case hand, that a certain time is occupied by sever-force, and we have mental evidence on

the conference of the conferen

written uses for purposes of extribution for correlation. Note by the construct of a shared on timelessal specifications of the purpose of the state of the professor is the set. These was supposed to be that of a logisteer in the set. These was supposed to be that of a logisteer in the set. These third is the set of t

The relation for the law course is compared with spaceshipsed, the law course is compared to the product of the law course of the law cour

* Afford and John to 45.

secondary or califrested refuz notions.

In the obligate to give this general are of the subject, as the last the last obligate to give this general are noticed as a cannot be considered without no fraction exceptly and console be considered without no force to the whole. Reading report, rhythm, and present, I do not prepare is enlarge spirs, he if are strongly of quints that make the connection with them one be done every floor, the keyboost.

Causing, now, manufallate to may enhant; when I process

deing is, to train the fragme he astronate action, and acquire complete control over the hand entry from the plane, on as in give the performer a ready acreant natural of a typescriat master.

The importance to my argument of much I have already said

will not be existed. Marked types only, there is the relative of the best of the second of the secon

depth—she for or very world. Dock at the plates matched between the control of th

in the Coir of last stoods afford strong confinedits of my new many points. The writer in Str. W. Mathiews, of Chinage, U.S. 1 the C. Hell, p. 68.

or week, but that we have Bills sentral pear thore. In fact, we have noter effected them, and we throw the blass on majors. Dr. Redchtly's theory of marcular contraction record to rea to evalue many things, especially with regard to the want of control over the fingers. Stated broadly, we may my that, in mount performance, individual manufact auton is the rule and execution. To my thinking, there two recurrents are serious muce. The infact's frut action with its Garage is to come. whotever cames within his much. From infager that habit is catained, and lasts as long as He itself (physically and core by); cuttl' comes' because the motte of mankind, and 'elec-deted' ments into a proverb. New, if we from oblished are quantity by it increasable to use them elacte. The electric discharge to diffused over the whole mornis, or series of muscles, canting such stoom everywith between them that the names effect of the will to melate or books: its effect all but fails. This errogathy extends to a measure, to the two bands and swar, and by leggnumer has been converted unto a reflex action. In all colding storie the even on tentiler, and it is cover to more any corre-

This "expensity," effects, I shink, a relatedering replacation of what we are copies in \$M\$, Ankalari, while me we've written of label smaller, and that we've first means the quantum of label smaller, and that we've first means a smaller which the fingure (see label see on that the none powerful sweeter of the flagors are situated in the easy), but the that diagons' is label showly one of the flagors and that the region of the three power of the flagors is and specific cover. I shall regions of the specific cover of the flagors is and specific cover of the flagors is the specific cover of the specific cover of the specific covers of the specific covers

If the court form court or acquired source "symplaty" sees in too retemply, much time, I feel coverience, would be saided in limiting to play the piano. Then takent I consider so important that I assisted yourself to all lawing the care of young pupils.

The muscles that see undereloged for must of exercise are the oriencer, on the hard of the turn, and those which more the fingers histority—distant in the land itself. Those used up grouping it enclosed strong enough for all president purposes, and return "newlog." If anything. Act passedest stochasts where they have appeared edition, and in rane cases out of its they will my, on the back of the erro. Be then remaind it would be create table surface, as the case.

scared ; and, to remier the action automatic from the first, I would recognized the sindent to read, or stady, while he is storowing the fingers. The hand should be placed upon the table, with the points of the flagers (which should be extended intensity) alreaerables it the wrist held worth bashes then the level-less and for excepted, the albone may past on the table. The action is to be ter support, the other may rest of the takes. It is better in to be reprine the figures or high armorable, heroing them eligibile bent. and descending upon the table very countr. Any order of fivefinger exception will do. An except of the fingers are elected, the hand should be exercised esparately. Afterwards, the fingers should be reject in alternate rains, affil extended laterally. Marr who shor thirds Assetly on the rises will fast this care, cine-with the left hand secondary-manch may difficult ker-board work. The forcers must be prived as bigh so possible. as in the preceding exercises. The relacity galand in a fall from a high position is an added force, as mechanicines know. These exercises should offerwards be neglemed with the finance beaut Fat were the table. At that such hand should be weeked for a about time only, and the remot productly increased. For everyone so the down attacks of the frequent, the pupil may use the digita-ium for a short time, and out avercoming for resistance. The which I extract from Carl Tanag's 'Daily Studies,' (Book 2, No. 26.) should then be placed on the peace, softly

reached an octove higher. Each hand to be used accurately one absent to destroy. This exercise is very good for lotant These exergises for raising the fuguers will be found most use-I also to violetiate, end players upon such wind instruments an

is five, sketast, etc. In the early eleges of progress, the diffialty of Billian the flamore tudesendently is much eventer than that of presting these down, remoinly in the unsettle of shall nt of pressing these down, especially in the practite of shakes.

The next series of executers I submit are for rases effectually First alone the band (fugure strength) (fot upon the table on, taking the second Enger as a central line, reserve the first.

fourth, and then there as for an woulde from a fraffic securios the second finery right and left. The finery should chite above the second inger right and left. The ingers the surface of the table, and not be rused. process, and draw the fingers in order toward the contre. should be done served times by each hand separately. Afterhe forced engle to easy to necessarish Next, for individual action in the fener and extensiv measies.

Here it is impressible to not on a single munite, but "ever-after may be reduced to the least degree. Entend the Supern laterally, and try to move the third joint only of any one. This is so diffionly that its performance is regarded as something wonderful The principal difficulty lies in the nature works nation of the two sets of gracies, end the strong "expansible" between the &

of the second and third joints. This sympethy must at first be overcome by force. Wedges, such as these count in placed to

been the beaut trints in position while the waves trint is best and sirelightered; then two lights together are to be upped; and finally, the whole finger, which must be kupt atraight. Then the exercises may be tried with the hand free. The first of these more seem of 19ths received as we never also with a starte friestwrekness causes a violates at the instant of contact, which in There is sufficient visiting affected by the elastic quetien of the fager-to, which is further anyplemented by the loose wrist. To wicknots, the strength and power of heading in the third joint is rendered novertice. The threak and wout are sufficiently wonwided for in Mr. Jackson's work; but 'guardenry' octover sixthe, and thirds showers may with adventage, be precised on the table, in order to render the wout flexible and greeful in then across the pake as for as possible, you exercise nearly all the

Just a word about the left hand. We all know that it is weaker and has rarable of exerting than the right; but few ruto much treakle to assertain the cause. He Churles Bell says : 'The universal consent to give the preference to the right hand there is much force and common armse in the 'petition' of the left head for equal education with the right which is found in the weithout of the Provider. In the abouted decision of the left hand, great care is necessary, on account of its occumenties

We reach remember that exertion, whether of most or budy. traced, instead of giving strongth it produces enhanction. My size is training the band in loss for guiring strength than for sequiring control. Excessive kay-board practice in is my spinion, very tujurions, and for definets young pepuls sheelptely dangerous. They are frequently called upon to excit themselves to the execut of their strength, and when that in the case, there, is no causability of mental effort. Players working without mind reduce act to the level of postering. Moreover, this sponsive practice is destructive of all enthusiasm, without which, as Schomann truly mys, nothing graphs is accomplished in set. Everything at the burdence over scales and appropriate about in made estimic; the avvenues of the purely physical from the

ertistic it, therefore, not an unconcepable proposal. This hand toxining not helpy in Healt intellectual the time in occupies may be profitably employed by the student in mental callure. Manicana are often reproposited for their lack of other pinnists are considered inferior in musical feeling-I hopestly believe, where they is the case, it is swing to their being literal shows of the key board, and stanefed with excessive both-tomaximum generally maything that will enable them to become

The exercises I have suggested for young students, with medicate duty use of Mr. Jackson's "Granauton," will, I feel ocavinced, amply suffice for physical intering. The student will find his key-board work what it should he, art work. Hands reflect, as it were were the kern the immunious reorical from written notes, or mental conceptions

This enhicet has long operated my ettention, and the convigtion of its value is my only mative in heleging it forward. Should I have fieled in making my organism clear, I beg you will accept intention for performance. This Association which I have not one day become the mediances of monthless is much fitted to determine the merit of any constitut of musical edges. tion. The vices I have expressed and the cause advocated, I subsett, with all deference, to your measubration.

Mr. Ratauan and that very difficult meads had been cornvincend, and report which reserved for its cornect execution a as much exercise as in playing the missofuets. Although fashle is tone, the imperiodors was clear, even and effective, and it was cooridered the experier to the reampleste in its infrancy and indeed beg after its investiga. The impatcherd places of former days, heing organists, touched the large-inhord as they did the county. They want not aware of the country and materials tenes which could be drawn forth from the old instrument by panoforts not having they been drauned of. The harmschord sweed by Mr. Stretton might possibly be in a bad condition, as most harmoloogs now were, is which once he could not possibly value of the real monte of the variousest. Mr. Sal

harminhard had two years of loose and was therefore cultof a double harmatchard . it was made by ! Old Jacobea ! Kirkman in 1700 and had name been allowed to get out of other. These this spacecood cat, so to speak, which savully express those to whom To avoid the tedioxisces of practising pisuodests passages users. says but muscissoms. Mr. Strutten property attribute to place before there a tancer or book, which they was read, in order to strains their attention while occupied in a number mechanical exercise. Mr. Salarman agreed with Mr. Simples in that plan of study, and he had always offered similar edvice to his pupils. especially for the practice of the shake and double shake, which he considered one of the most dreary and menetocous sperations ocunervakie Mr. Salaman regarded Mr. Stratton's paper as one Mr. CRARLET E. SPETTERS agreed with what Mr. Stratter had said in the early part of his address as to the important part which the worstel faculties have to play in marion performances. In With regard to the Digitariare, the use of which Mr. Stratter, to he extincte disapproved of its use, and he always recommended

her nearly to need under it his extens being that needs the hos pepths to avoid using it, his spinion being that notice the Do. Capperts, Perr had had something to do with the useparetice, of the paper which had been read by Mr. Stratten, having goes through some dissoctions by means of which Mr. Stratton had classes and his shapper and he was removably contided with arguments. He (Dr. Pough thought that the training of the higher as to the methods of training mosts be taken from the observations which had been made, and the enguments brought forward. to support the m. One great mintake which had higherta been made by these who had peed attention to this subject, was that abuset explasive attention had been paid to the training of the numerics on received out, the result defined; thing was to reine the third finger. we came to releigh the Source, and more expectably related there. reduced outle then my freed some difficulty consolelly with the third finers even those who had for some special purpose posttied the reiging of the fraum frond some difficulty, but ware received were inversely of recovering the action at all. And that action was reach more difficult when the france were researched. perchal as a samplemental agentics as presidents which the hand then, and then extended and asperated the one from the other. This after a little reaction weld be done with court facility. He this satisfa the small wearles in the rade of the hand the later. tendons, were avoidly strugglibroad. These practice were codinorth root pariested, but for pleasforts plering they should be be must beneficial of five if practiced in the sir, and if a board excreme would be lesseard. After a very short reaction the sondiscovered and appropriated. Then he was of courses, that in time there arisine would be corned on naturally and without say effect of the will. This he terrand refex action. The eye, a note could be struck. When learning to they there exceptions were needermed slowly and other montal affect, but he long oneof the will. He thought the excesse with corks between the flagors, as recommended by Mr. Stunties, to be very beneficial. especially when the corks were need for the purpose of strongth-

Mr. Rices observed that come yours ago be found his hand or worth stendard by the guelde occupies of writings as not be be able to write for more those in half on howe it wiles, and he outh only then are the you by soring the whole era. He could be referred to the translation of the could be a supported to the could be a supported by the continuous produces as the pieces would incide great highest and reader describes some special receives for the translation of the warning of the heads.

emeries for the descripting of the searches of the search and the State State

key-keed, he lost in the process of rendering it the power of listening, and that was a very great facil to passeduct players. Of course that remark applied to Mr. Stephen's observation. Every one model area. — M. M. Out.

Of course that remark applied to Mr. Stephen's observation Every one would arms with Mr. Stephers that the mind mucht should be mental. If they could not they hand so under control that the merement of the hand should not cause effort, then the mind would be free; but if the mind was engaged in what the hand was doing they sould not listen, and that destroyed the fine ser, that the less he had played for a firm, the more he suppyed it when he returned to the featrament, and he accorated for that work. The active of baseing and of the finger could not go on simultaneously without making the one refer. He had spoken of the statement made by Panformy Balls supporting the northwaker who did not here the circles ticking amount him but when they stoomed then be noticed it; so if a necess played for six hours at a stretch he could not listen, and when a player could not lister, then he would advise him to leave off. rugged to the remarks of Dr. Pepe se to the action of the figurers bong mefel to everybody, he would charge that they should be made medal, for it was better to have a tracked than an untrumed surround. We had no resume to find family with the hand for a

to the state of th

had still a goast deal to have, for stilled messions know that they could carry three or four medding in their mixed six-shipnessaly. This weald require some-consideration before somepting the dista, of philosophers as sufficient proof

Jan &

PROPERTOR W. H. MONE OF THE CALLE.

ON THE ENGLISH LANGUAGE AS A LANGUAGE

By Grantes Kiromorov Russian, Esq., Hen. Mem. Acad. St. Coellis, Rosse.

As impression has long preveiled in the minds of Englishmen, no less than of freelymen, that one begange is credited for source. Tale, I makeling, it is follow; originally accepted without the reflection, and roises uphall, because as presson, as it remail appear, has degreed it has data to endpiect to careful summarised the foundation upon which it mans.

Intimating communited as this exhibit is with the vomit set, and

neer meticularly with Baglish vool made and Raglish slaping. We Montal Amorbistion will dealthes welcome it as one of self-cient remixed and militari Republic of the effective method and indicated Republic of the effective flows), as I keps, a discussion follow my Paper, I believe that Science will be discoved out which cannot lest prive of advertage, to my post, our manufacture, and our energy. Openhous commission from an accordant mash as this shortly leave might be might be made of the control of the control

and temperature in all motional states, as a proper law of the properties which still obstace against the properties which still obstace against the includes in the large south site that contrary, for a law of the properties that properties theory broad for the properties theory broad flower and the properties that the properties that the properties that the properties are properties as the properties of the time of the length's against the properties of the time of the length's against the large properties are properties as the properties of the time of the length's against the respect to the same of the large properties are to a properties of the large properties are to be a same of the large properties and the large properties are properties as the large properties are properties and the large properties are properties as the large properties are properties and the large properties are properties as the large properties are properties are properties as the large properties are properties and the large properties are properties are properties as the large properties are properties as the large properties are properties and the large properties are properties and the large properties are properties as the large properties are properties and

discovered that our leasures would not appalements with the remain of Italy - and as it had already become the fushion to ennsides that nothing was worthy to be designated "moule" which was not of Italian origin, the notion that the English was not a "I have more than enough discouragement to drop the puredit of ablicing my country, wests old House Planted when making ine, in 1702, the around part of the 'Ornheas Britaining "eince foreigners most with a recection that winconsistent with there tryder sell me as long as they pirace, and teensplant their engender the own yors! moste, and that as the Italian larger had greated Stellag vocal movie, so in like manner should the Eaglish language generate English rocal muric. 'The only fault I find in our present practice," wrote Addison, in 1911, in adjusted to the introduction of restories into English source making may of Dallan recitoring with English words. the mostick in every language should be as different as the tens or accent of each inaguage; for otherwise what may properly express a puscion in one inequage will not do it in another, Reserves who has been lowy in Buly busing tury well that the enderson in the resolution hear a periods affinity to the form of are only the seconds of their heapings made more moment and taxafor. Thus the notes of interrogation, or admiration, in the Baltan symbols (if one may so call them) which recemble their accepts in discourse on each occasions, are not radio the that I have often ones our andiscess extremely optotaken as to knock dawn his messenger when he has been only saking him a But him "good merrow," For this reason the Italian artists manet agree with our English resolving in admiring Percell's accurations, and thinking his topes so, wonderfully adapted to lds words, barmens both nations do not always proves the same

possed by the name wire.

I do not draw for the Knighth longuage that it is the last for song t at 1 contend that it was it less a good a language that great content of the content of th

difficult to articulate in song. The statable ness or unsuitable ness of the Earlish lammane for regain, and the difficulties of its area was on the by Consequence was distingt constitute which seven by presented to be capable of empiricating their pative language with ener, finance, electrons, and extractions in song as in specch, That this 'consensuation, devenly to be wished,' is meely realized is parent to all. We hear trispronunciation on the atage, in the opera bosse, the connect room, the senate, at the cathedral service the precenter, while intended the Litary. servered in repealing 'miserwides' stances.' Many of our best coluie their native integrage to such an extent, indeed, that an almost united degree of alterdion is requirits in order to discover to what begreen they are staying. "Hel my durace" and "Till darpeit, in frequently noticeable when Haston's line song, 'To Anihen, is rener. Too cauch assiration and the want of it is as often sherreible. In a song called 'Good bye, a long good

kyo,' I have beard, materal of 'He said 'twee loge, I said new "good boy,"! "He said Treas soon I said; may " could been A very occusion error, committed even by some of our most

unicoust aleases. Is to endeficiale recover Ending........... O read in the Lord ' (Africk) is community beard. Hash fights cannot be too sternally consumed; for they tood to being not only English courses, but the English language, into had repute. As amatony vocalists more frequently invitate cented as correct. The difficulties of arrangements by furnishers able. They example promounce the ris. With these 'bestless are 'browne,' or 'brorthers,' The pregulative wavefulness incomplete solar, and connectricities in our measurementation are implement reases why his a.r.d is promorroed hard, his a.r.t. hord, and is here, and here, fore. These econstriction can no death be accounted for by tracing to foreign sources the origin of come of our words, but these and many other difficulties to famiguary in singing our Sugroups should not be regarded as such for our own countrymen.

Heferitar to the abundance of money lables in our language, which 'even in an emperiority of delegence me throughts in for Addison remarks, 'This, indeed, taken of the elegance of our scower, but, at the same time, expresses our form in the resident manner, and, consequently, answers the first design of speech better than the restande of sylables which make the On the Enclish Lemonous or a Lemonous for Music. 128

of our Regilah worth are consumity like these of string range, short and transites, that rise and prints higher is sight teath, those of other languages see has the noise of wind instruments, received and welfarge and incubited out that were that of modulations and the string of the string of the string of the string should be herely frendy, and repeatedly statenth similar, concluding desiring the splathes, and they should in this measure be an analysisally presented as a difficult passage upon a manual interpressal.

It is not present to discussion which submitty graps the longer problem states in both drivers for name that for press. I be a submitted of the submitted states of the submitted states content in administration of the submitted states of the same removed in administration can understood the form of the states content in a submitted state of the submitted states of the submitted states of the submitted states of the submitted states of the last with those when when it is not to be part who has been also as the submitted states of the submitted states of the last with those when when it is not to the part when has been proposed and discovered, a strong in the submitted with the submitted states of the submitted states

While expected the claim of our language to be regarded as one in every way raited to the requirements of English monic pronunce our heavener. I shall not shrink from the surved that the English woonbalary includes harsh and rengl-contains words is consumerie, digraphs, entitionic, dighthough, and confirms and that there are in it few vowel-anding words of pure Angle-Sanus origin; but I do not occupie that, upon that account, our lasguess is not enitable for even) runnic. It is supermind that the mograge voice requires a language whose verse contents a tradictity of words formed of own spilation—free for vocal asternage. It meet be allowed that the minority of words of this class to sergings) the inherent difficulties of our language as a hogyage for maso. My experience in the composition of English voes manin has bowever shown our that every difficulty is causable of being approperted, and must be expressed. Whatever defects may orrespants, and shibets, and west of suphony, are suppressed. presented for he a balence of advantages. Where is there a hargary ancient or modern, more copition in words adaptable to every class of cubject, 'genre or gay, lively or severe,' and ing away shade of harms synthesis?

124 On the Brotish Language as a Language for Music.

Let it not be forgotten that in our language roughouse is tempered with amountainer; that have a conding works are balanced by these that are exploration; that what we lose in

contactor by their teas are dependent, that weak we have in the 'O's bangery, was a senior of the act century, 'has been throught to be very deficient in hances; of sound; per his missibly of the remedients, he over of a superiority probest remitted of the remedients, he over of a superiority probest remitted from help in the contact probest remitted in the first probest remitted by the first probest remitted in the first probest in the front help in the first probest in the first probest in the front probest in the first probest probest in the first probest in the first probest probest in the first probest probest

which is nelly faint were proposed in the Tritichic instance and which is nelly faint were proved of Registration Workshop and the Control of the Control of

Silicoting egicitud and pudatus Rises by the later Sev. George Cooly; but I have long considered them admirately adapted for manin :— Risel to the lated I It common the medi of the visionsy costs symm. The security sound, but a toll-preferred

> And the signals find, And the timpeler is or the gain And the count in white In his own with light,

When the hightening's blace find not the something most, and the see rolls as few and in from And the outgoe' near When the stormp night winds blow. Sleep, warriers I sleep. On year pillows deep. In peace I for no portal same.

He are one describe.

He regular can beare.

The learn that once simulates there.

In the foregoing, the poot, as a writer of lyric poetry, he find-

Sind all he requirements. Result the componer he equally attentive to the expercise of musical represence, and observe as carriedly the rules of vocable, there will be surface place to desire either in the poetry or the masse.

I will care the a measure to the hourseave of Rair, which

Depth and would be four two mounds of the post and a program of the work of the post and the pos

to the statem of words experiments, the shorty experiment was an obthe very grades of the Maline Imparage.

Of Terranes Bot, the composer of the Materier (1713), earn in the Cayella Guidea of Borne during Pauries week, Dr. Bernary anys: "He is much commended for his attention to provedly, or the accontainties of words, in which this control in generally so counts, that the proposition of heig and short estimates in an extinctly posserved, in stinging that punds, as it sould be in resellent

"What," you may perhaps inquire, "has this to do with Eng-

126 On the Rushish Longuage on a Longuage for Mario

lish verse? Much. Hed all our composers of wood music studied their imagings as attentively as they studied their muse, and had authorized it to an overall air examination as the Italians did their natire images, own, no death, would have been speed to their natire images, own, no death, would have here appear.

much syste conferrance.

Our Sides Impages is encaptible of the structs in discussion and the highest pitch, and on naturally, and as it was offered to the structure of the highest pitch, and on naturally, and as it was sides as the structure of the structure of the structure, and the structure of the structure, on the structure of the structure, on on the structure are present with contract for structure, or on the structure are present with contract the structure of the struc

after three years of revision, sourcely one word was retained that had appeared in the original managings. The English language is confraredly wasting in some of the

steering ready marked for which the father of the self-steering in the fitting global. It is not a few mixtured his fitting the self-steering the self-steer

'Lei na go home, my muge, abo wifi nan he Let us go home tugut her, estident fann, Kenp ufinne now, for emgang-tame is even, And ever all old though, and all though fene the lever and pun har no na all on leve lee. Yes, though we may no sought as her easy.

Let us rise up and part; she will not know.
Let us pr seeworks as the great whole po,
all of bloom sand and form; what help as here t
Thus is no help, for all those things are so,

The extitu poors is of equal beauty. Can stay lines more hermunican by desired in lyris poetry? Need any words he softer for worked expression? It may be eliketed to these knee that the wood 'waysing' is half a "Village and half man," red that it does the diverse, that "Section" begins and each with a hange proof, that they disass the lays that "pan," abbought to open the month, immediately and reverse the large against the code that "fines," and "bely" and "revid, after the last constant have been made, opposite and "revid, after the last constant have been maded, opposite between his first last of the last of the last of the last of layer to have been a subject to the last of the last of layer to have been a subject to the last of the last of last a conjugate only dury that they are abjectionally, or dust they present any colonists to five scoring.

All feeds in an extent of the regarded as or assessed in postry in tended to be read, about a much as possible, he avoided in postry intended to be sung. The following ill-about words are to be found in Belli's Nobeston filed:—

"When the full hand of Prizod was plough'd by the head." It has been remarked that the word 'energ' is usenited to be

ang. Instance is concast one with a chiffont stell formittate with a result sensel. It must confer that I do not a participate in this elipseits. The abilitations of abilitatio is objected to. They shown in Bullety's fraction sensels, I stells from its objected it. They when it is to be a second in Bullety's fraction sensels, I stells from commonly it is to exactly. I make they be the district which angle arise is consequence of the obligation of the object which angle arise is consequence of the obligation, and was followed to a visible think in the object of the object is the object of the objec

When the winds are freathing low, fact the store are burning length: I array from division of their, And a right in my feet. Both led me—who knows how !

Biblicate when shortly and exercity whered in ringing may be node to produce a refrand phrateg offert, a rapid councilation of them remains in histories. Like very solar difficulty is the Expirit as a singing language, the fill effects of districts

ment be archited.

As no symple of the misses of our begange, I would point to a come size in Half's first Bughish Opers, The Otiop of Stocking, on which English words networld to be required using an east to mean which may have been intended top the Bullen happage.

The Northis is unfitted top onto more point of the stocking in the control of the control of the stocking in the stocking in

Therefore all, of or a by the an idea, Therefore

28 On the Hughish Language as a Language for Music

Hand of the property of the control of the control

summer through many pages. And upon each evidence the English imagings whild up to excurs on a numerical language, it is even totally method for feature. Resolution. In Prevent's and Handric mana, however, we stad, in the fashion of the patient, question, and the stade of the patient, and the stade of the patient, and the stade of the patient time. The introduction to 'Oh, reddler than the sheery!' and be cloted as a fashion of the stade of th

مر ما المعدد والدعم المعددون

The rolling passages of scales in the alleges of the same amageneous divided word mercry is an effectively vocal as it would have been upon any Italian vessioners.

*QMQCACA

en market in the same

The music Handel bar set to

* Yet hard to tame, so reging frame

On the Beplieb Lenguage or a Language for Music. 122 y the text. Words and number outlieby agree, and lowe nothing

en judal'acad

est marking togot

₽ 2000€;;;;;--1

Translationed Halian spens into Englishmonously satisfactions Thains I bear now with re-theory bloom. Nation Members, as expects bits associated a polyation to Irilliant variation strongers bits associated a polyation to Irilliant variation and Calman text. To the loss spen the name ones and glorous seriously armine samely, less spen the name ones and glorous seriously armine samely, less spen the name ones and glorous seriously armine samely, less strengthy situation with the recipility of translations on its behavior and to provide of the region of translations in cities, in Research 2 Devilore & Studyn, and Ollection as a support of the contract of the contr

61 1 22 5 1 Celestis

Conserved the second

On the Buglish Language or a Language for Marie.

& Transmire

the state of the s

And the title the state of the

Street Control

(O) define contents, the equal non-lat for the native of vessibly, in anglitical them of Caroli how the billion, up to not the conduct. This receive to you have a conducted never very well that the reflection preserves correpted to the litella words, "egast" and "so in," but, in the least, it is no restationately conducting of both words and mixing and less and difficulty proof of the national of the Raginth has pump for Paulon market. The lines worder of Shelmagney for Paulon market.

Stating Street, Thomas Moon, Campbell, Perchi, Harrika, Shaling, Street, Thomas Moon, Campbell, Perchi, Hersen, Long-liken, Parryton, and the case recent spate, Siruhama, Domesti, and O'Stenghamay, his been set by many of our anadic clean part by the reason. Such works, it is kept, will engine the control of the control

as in contrast specimens or to successful and on angust were with English assis:

Willis Handel was yet segaged upon the composition of Ballen spece, and before be had entered upon the For Rassa of Orstorio, whose withfurthy has pleted upon the brow the wrant of manuscript, Addinos penad the findwing lives in the Agerwhere Clean (Id.), 17(2), "I make benefity such that there are continued to embourage the efficient and proports are reflected and proports are Clean from the man explaints and the benefit with the efficient of the day of the continued to the c

"Since we have, therefore, such a treasury of words, so beautiful in the monetics, and so proper for the size of monitorial, I cannot hat weaker that persons of distinction should give so Fifther stress and some groups of the first of motion, which would have properties as it is not as the stress of the sound of the stress of the properties as it is nisted one sheight." Maniet, when these papellot, miss noble that is the mind of the beaver, and East with good conceptions. It strengthens devotion and softwares probe the stress of the stress of

adopted country. "Comfere ye My puople." He was despited, "I care thin type Belement Pitted, "Youl chape, "Post of the product of despited, and the product of the product

My softiers who hald view different from my own will to describe opens them, see that me give to the Mortel Association the beself of their superiones. Then't my picture he describ the other, I loope that they will explored any points which I may have outlied, in order to self-ferre to the agreement which I have this day restured to bring farmed in visibacion of our language on the happeng for much in the property of the second of the property of the second of

magrana

Mr. A. J. Nicas, F.R.S., sold: The question of spoken security in relation to singlest had engaged his attention for some years

122 On the Epolish Leasunger as a Leasunger for Music.

past, set with regard to the English language escecially, but with was a very difficult things to understood what is fact runde a Mr. Salaman's paper record to be saugued, the neary of exponenter rood and poble throughts, or all kinds of feelings and passions, each as would naturally lead a musician to openous reasts in accordance with them, one might element say that every impage in singing was restly heartful, notetherading the possible to sing upon. In the English Ingrespe there were a creat number of counts which would not lead the market to make et all. Mr. Salaman scoke of empire the a soldy and purity but he (Mn E) must own he was bitally make to conceive an a year he had no opportunity in a class of thirty coverage of trying experiments on this matter. He tried to make them aing morely densation of are pared the mouth. F. it, and al, again, were quite unvocal. He was amazed at Mr. Salarana threking the ra wither as fee, in which he showed the unsatural newsculler of such a as for, in which he showed the unnatural newposity of such a branting around by decoping his voice before he fivehed it, nudges to with on a no was recommende the practice, and he was sorry to ony that in much charal singing the final s, instead of being lightly toucked, became very marked, so that words andone with a real of became words enfort with a very disagraphic . If you were counts, that they must not allow any strong enunciation of such sounds if they wabed to stay plantably. The only consumants which could really be easy were y. i. m. n. and ur. With record to m, n, and up, m was the local disapproable; n was reach more so, ersected instance of this many years ago to the renging of 'The Sea, the Sea, the open Sea, by Mr. Picilips, who insented upon proposessing the word 'energ' without any necessable yours! between the a goal a. The I was the mest youl of all community the r being disagreeship because it was founded upon a best, and was therefore His the heating story which were constitute beaud for producing mentical effects: but these was correlated vessels. and on enhanting them to a strict executation you found there was only one real mentral word, namely, ah, and this was very deficient indeed to the English language. It was frequent enough vs. Belian and with a slight modification in Warnel. German Specials, and most languages. That it was the one which less labulating passages the I being the most worst speed acceptant, and the at the reast word years! A years! was an exercise exalter of the resonance chambers shove, between that and the lips. Those reseasons checkers were more or less well or th-generally th-The versal or was about the most absorbankle to sing upon, as night be proved by singing it may the middle register of the tones, and then resuming down upon it so low so possible, when the vowel became acarriely recognizable, and a hereb, flanguable, mody sound resolved. This of cooper exacted to the Bislion's make as much as to the English or. The a count was not so heal and when breadened it become a pleasant crasical world. The most horrible, and required very great sudgement in the singer to of it into the Small popular Franch of The Popular of the space. and so on. He would not go further late detail on this enteres. counts should be eliabile aftered by the singers in order to render them more easy to sing upon at deferrent pitches than the tree studen streets. There was an inharcest difference between speech and excely more than an octove, and agree, is exceed the same pitch was not held for any length of time. In singing, however, it was totally different. Agent, in spoken language we were bound to certain stress of syllable and certain difference of ramility in vewels, has composers very frequently set that of nearly Be had heard measure very simple to that from Balfa which Mr. Sala. effect preduced being perfectly reliables; you heard very little of the mane, and a great deal of binning. Those were inherent

104 On the English Lancoune or a Lancoune for Music difficulties, not in the linglish language alone, because, if you

examined hyperance according to find which were the most your which neckans, would not be very valuable. The fact was, a alrewy househt out a manual expression, but he did so in words which were not always endthic to those who did not know them previously, or had not a hook of the words, but which sufficiently and expression. They were, however, often hamoured by the proper county not before them. This proofs he readly noticed in the case of a long helical or hymn in cheeth where the same mounts was removed to different words a very different effort being newland on the smalling of tone according to the years's procornect. In order to show that open a conswhat exaggerated coals he had were one opposite falses a sixted air. This the Conquering Hero comes,' and gut a chorus to sing eight bere of it. first to low them to dak, and then to doe, and the effect was like that of three different instruments. He throught with Mr. Sainman, that too much was said against the avecessite of the English language, an Englishmon wight much, perhaps, as strongly against German se an Italien could against English. He receileated the first time he heard Pulish spakes it neemed to him had been to see "Harelet," needlesped, and he described the sound areas from non-acquaintence with it. One of the lines quoted by

" The heart that once absorbers there "....

he thought very illedapted for singing, on account of the consizefar difficulty with their guttural of, which they had to cut on a makada of support to Parollah, and to about the different officers produced by different speakers, he rought nor that he had never heard cay language engine, more softly and pleasantly than had had apportunities of hearing both from a great number of that the national hypenes are norms, said was, for that versus,

Mr. O. A. Overexx thought, if the English language was not eccasidered a good one for ergoic it was mainly attributable to two cuatro. In the first place, to the musicians who composed removemently did not sufficiently study the montremuse of the yardlet. As interesting instance of this came under his notice who was a thoroughly good marious and an expellent reader

On the Buddek Language as a Language for Music. 154

A suppose had written a some and said to should like in lower for rang. The young coulds diffusion to only in the Brochest conceptable for en the purso. After the symphote piece speech of the major to sugar, and saidingly gain broad by the trivial of the major to sugar, and saidingly gain broad by the size with the pure week, and it then approved that the causes of the week was that the low to concentre the way with the word 'mande' to a very light note, and of covere the concentred way for the wind to the contract of the word of the contract of the word in the contract of the contra

goal to not necess, and tadpy were goal to come, now the goal to not necessary to the community of the support to be supported to the community of the support to the support to the community of the support to the community of the support to the community of large with to make it support support to the controlled place. In W. W.I. Courses and II first food considerable place. In the support of the community of the community of the large with the community of the community of the community that the community of the community of the community that the likestic the program was computed to only for manual purposes, that the likestic the program was computed to only for manual purposes,

best the new tent by Option From Mr. Obserce in Visities of Bornello School, and the Control of School of

the works of two great case. Found and Hersick, whe had not could not find any difficult of the day of the first period of the day o

pyears. Mr. Eili had complained of the want on not being gained, both be fall hound most inscribent statical where the reconstitution was our above. Of course in good vectoristics was consumed they come integrity with inspirable or commended of sylladies, and a good singer many principally on the verminal of sylladies, and a good singer many principally on the verminal countries of the complaints of the complaints of the complaints of the contribution of the complaints of the comments in the verse of the contribution of the comments of the contribution of the contribu

Mr. Syparrow accord with some of Mr. Kilu's comarks. any other. There was no dealet we ought to study our own langrage more. He should also like to draw attention to a work which was not very generally known, 'The Music of Swines,' by Germans in the throat, and the English through their teeth, also that there was no more benefited English maken than hy ladies, which he stiribused partly to their knowledge of Italian; while to another place he said they spake letter than men from the superior shops of their tengues. Another thing was that if there wished to speak wantedy they must study how to speak. He also gave the quality of different lenguages, and suggested that in northern chreater scenels was refler, and close, and more fate-Nks, whale in the marthers elimes, through people having to keep their mouth shut, they were more accordance to ensue in the threat. He care a high character to the English leaguage, so being most orpices, though not rich in short words. He thought that erger time marriess, was also naturally a root, and if he would call reacter the mechanical difficulties of the laureage month by skie to write but own words, and in that way many of the amonalies they kenrel of would be removed. Wegner was an expends of what wints to done to that you. There were 10.000 words to the Buckleb houseast heritaries as audiest with a or of and you constitues froud words to a near rank on 'only to

Most McCreater reserved these temples where had not their the English was the largeage of endans, and the Greens that of herest. No dashs then were followhen to Deglish largeage with some of the concession, shadonds for year largeage and the concession of the concession of the text space, and were certainly independable. Perhaps the test cont of a largeage waste power of large procession for seasons to Tagailla, but have towards their point science of the best size in it is, as for intense, "The large bower down," was seen worky as effective to their breakens and the collection. The school of the contract of the co

One great cause for the preponderance of the letter a in the English insurage might be mentioned, and that was the charge which had taken place in the Sed person empulse of the present transits every week, which was comparatively recent; and in addiall made to terminate in a. If they were not in column concluse be inclined to encycet a return to it for the fed person starular. for though it might be found fault with as a rether linguag torminution, it would be preferable to the extraordinary puncher of e's. One reason given for this it being tarned into a was for the remove of rhome which some writers had found excel be compared without exach eneggeration to a klow on a draw to wark each har. Some negule could not distinguish neetry from proces except from the fingling rivers at the end; but he thought If we could go back to the classic times, when postry was written welcot any rhyms, it would be a great improvement though "Paredise Leat" was originally smalled out in popular favour by Hatileen mainty on this account. He believed that on the whole, the English language might coupers favourably with that of any nation, even with regard to expectances. If the words

The Crawmar (Professor W. H. Morr) said he could not help thinking that many speakers, as was natural moder the observastances, had been a fittle at fault as to the difference between language considered per se, and the vocal execution of language, which, after all, had been the rount at large. They had been profraction to excel my the mental perferences of laurence; and in bale of every becomes continued a vowel, and acceptions one or perhaps more than our, consequently whether it were gutturn, labell, or otherwise. The singer had to do primarily with the yewel, and the very chariffeation of letters with which all were familian the was and what could be only retieved by the belo of something the and was threefor called consenst. A finery recduced his vocal effect, lung or short, high or low, good or led. on the vowel, and should be target to sing passages of mone on every one of the vowels indifferently. He might rentare to may that if there were any Englishmen who had not been tenebt to accomplish thus, he stood at a dissoventure core, pared with a well obvested Italian. He thought also it would be neefel for those who had so much difficulty in eleging or speaking the English Inngungs, to begin by making a catalogue of all the English words they could discover in which an rowel was present. A singer could treat the symple of the narroral language appropriately, a hather by were structure English Gerrane. or Halton. That the latter harrows crossed a rich advanture over all others is requested munchbases would not be depled, and

the very growth of the learning showed that such a result must have happened. It was founded marriy on the old Letin ; but so many and been noticeed and boautified in prosperation by the greenships which had passed super it ceased to be a living hadtheir handware. These who had stadied the history of the recepts of the Hamance knowspec would see that in many respects the Italian would be remarkable for this coalts. But even this consubcration did not touch the saule point of the accusation against the English tongue, because, as it stood, no English sylishle was without a would and he did not are why a woulest should be less encounful in his own insenses than in any other. He seemed with Mr. Osborce that other course had been at work, and he might mention one not alluded to by that prefernan. The cultivaled foreigner, in singing English, estacked the language from a different point from the codinary one at which an Sugfulneau began. If you soled an English gentleman or lady to sine a passage, you got for each wind, not the thing you should get, or that you would get from the same press; if he or she were called upon to sixy a manage on Staling or German, but a certain Describes pronunciation with which we were accustomed collequally to be satisfied. Now the rocal teacher ought to correct this agreemal English facils, and he had often someten to sak his understood not a syllable. In each a case they would look at every word as composed of certain letters, and for each of those letters they weakt try somehow or other to produce the wacal equivalent. But not so with English; they produced the Sourgeoid word to which they were accustomed, not the wood william. Looking at hagonge from this point, what was wanted was not no small a referentiary to the set of creditor as in that of warnoncolour the letters violds to the gre. He severd west extinte to sing English. But there was also to be municiped a prevalent fulling in the humanus warsher of consists comparishing, constantly meeting from the press, the nethers of which did not understand of accent. He would remark that the Italian language had enforced quite me much as the Starlish when course written in another largesqu had been translated into it. For emergic, First was very poorly rendered into Stalian. The community and veryle brug tilted agreent one mother led to the English being called a occasematel leaguage, and the Dalisa a vocawritings of the great Dallan componers where they had shown the difference between conditionion and the treatment of congrounds. is none cases. A most magnificent instance of this sught be

remembered in the buritons part in Routei's Sunfrendite

On the Brabiek Lawrence or a Lawrence for Music.

Mr. Sanswer and that he had very little to add to what he because in overy may suited to make. He had treated the subsect of his Paper from a musical most of view. He could not but saves with some of the remarks which Mr. Elfa ked made. All the observations of a man of such celebrits, and each great experience as a phikalogist and soluber, were sufficed to respectful editartion. At the same time it must be stated that the components Mr. Salaman thought that Mr. Courrings and Professor Mesk had innovability registed to Mr. Ellis's adjections. These gestlemen

which Mr. Ellis says conned by urner, and the wiresh and a billarite which he considers difficult to sine, are stor by educated Englishvocalists, and have always been supp, and without any difficulty. persons. It was nedered to all that like-land possessor some of the sincere markle of singley it have never been front working. yerse, and that advented Reglish youlists of both some will be furtherwise to sine it effectively, with case and flames.

June 2, 18

WILLIAM CHAPPELL Est. P.S.A. IN THE COURS.

IMPROVEMENTS IN THE TRUMPET.

By Hann Bassers, Esq., F.C.S.

Two two instruments which I have the pleasure of describing to

the Association are the results of my suderroom to remoty score of the absencedings of that notices and important instrument, the support.

In the original form its capabilities were of course very limited, by reason of the small number of gates to be obtained, these being

on more than the natural series of harmonite intervals, though contribing we done to enzythem them by the one of the hand in the bell, as in the case of the French bern. By the addition of the recorable while a genta advance was nade, as by the means many other untervals were readered aveatable. Bell herever, the lower market the scale remarked incor-

station, as off that measte many other understan were received a visiable. Bill, however, the former part of the scale occasion of inflect, as, for racess remove, it was put people to be an a sufficient heapy of effilist in supply at the respect to the complete scale, as is done by the formations, the most inspectant being this, from the done by the formations, the most inspectant being this, from the state of a longstate in state! "Leader" (or succession, and the sam of a longstate in state! "Leader" or succession, and the sam of a longstate in state! "Leader" or succession, and the sam of a longstate in state! "Leader" or succession, and the sam of a longstate in the state of the state of the state for two great an outside, than a very held office on the formation of the state of the content, than a very held office on the state.

which by the charge the dissection to be set if the cited for too greatest contributed by the contributed by

different keys, so so to use only one or two crooks, greatly increases these errors, header mornfeing the benefit of the natural two laterals and distinctive qualities of tone of the different

true tistervale and distinctive qualities of tone of the different create.

My first attempt was to construct a valve imaged which interest and those fields of interestine and I claim for any

Comma treaspat, the productive of a more correct scale than its given by stay points with instantiant an instant that it to say, that for any stay of the production of the production of the production of the stay of the production of the stay of the production of the stay of the state emission respectively. The third value noises the pick of more constantial to the production of the first value of the instantiant of the stay of the instantial of a simulation of the first and thank values appetite fewer the picks of the production of the first and thank values appetite fewer the picks of the production of the first and thank values appetite fewer the picks of the production of the product

given of occurs, other archited intervals.

The spectrum of walves, which is also sugainable to the Franchiser ((cornerly called the score ironspat) scalable the player to produce a prescriptoral propertied (distortion such in the torus, done must, and subdistorate the distortion of the torus, done must, and subdistorate they, with the streaming of having only two walve distorts to the seven changing the course, the alternation shortestically required in the third where being so small as to be increased.

When the stream of the seven is the seven of the seven contribution of the seven of the seve

activity ms, for the following reasons.—

In the first place, though horings better tone than any other make transpot I have met with it is distinctly inderior in this

emports to the diffications of the financial point of the financial

parapose. Thereby, the advantages in correctness of trace will only be fully observed by a performer having a sufficient theoretical knowledge of mass to be sware of the sight offerences in structuration, and consequently in the fingering, required by a sharper of law, whereas in a side instrument, the treatment of they, whereas in a side instrument, the treatment of the restriction concentration of the or and the back.

name considerations but me to treather attempts, and I may up I have sepaced all resisting up object in the mappion possible measure; this second interment, which i sell the Yalephools or perfects excelling immaps, histograding mere than to exclude the property of the second intermediate the self-second transport with the addition of a single value toxed in mixtor with the open. Do or hereasted with the other mode, inswring the pitch a gainer from . This value is writted by the limiting the pitch a gainer from . This value is writted by the

feet finger of the left hand, the instrument being held exactly in the usual manner, and does not injure in the alightest degree the pure tone of the old trumpet, the bore of the take remaining

By the use of this shock valve and the slide, assumed to together. It is possible to mendous a cognitive scale, major or painer, with a perfection of integration only limited by the skill of the player, as it is essentially a dide instrument. The valve is the privincy slide trumpet (including over the law A3 and E3 when pleasing on the higher crooks), but greatly facilitates treasposition and mand passages, while comparatively little sonotime is regarded to become familiar with its use.

I may say in courbosice, after some meeths' practice with the instrument, that it asswers all reasonable requirements in the most satisfactory marrier and form the increased facilities which it offers. I believe that he extension in the mobustra would have to inconsiderable effect in receiving the legitimete trampet from the number into which it has fallen of late year, with great

The Blox, Successary saked Mr. Bassett if every rote in the roals could be played on his 'Trioughous trumped'?

indeed were not an well adapted for the treewest, and could be an well sheed on the cornet. For legitlesote transpot means, how, ever, his instrument was all that could be desired. In rectr to Mr. Stochene, he said the instrument acted conaily well in all

Mr. Brayers asked how low a scale could be played? He Mr. Batterry said it was very underlimble to orosis as low as

A, as the tone became very unsertain and 'tender,' and the Dr. W. H. Street houses he felt very should be beyondered. there was the greatest shapes of its heire attrined. It was rather sharofer that this genetion had always been attacked floor

its most difficult side, vis., that of kyrod instruments. It was of the occhestra, which had a certain power of altering their tone, modificate the rately and beautier the shoots into true interes.

ties. There was no doubt that this result had long been attained in the probestra instructively, to a certain extent, and this pro-But they mucht to rise from errors to deperture, and every credit onebt to be given to Mr. Bousti for having made the first stop in this direction. He was not aware of any other instrument which spoke with true intensive, or in which an elicent had here made to after the recalciteral contrast, or in the 'Teleophome terranet ' or to attain the more of realitring the large increases shoulded by the alide. My Branch had regulared in the covers of his remarks what one soldon heard from element that the valve slides received trainer, he had found the most marvellone areareaco preventing on this relation. A great deal of the falsity of tone sometimes nediceable seems from the fact that here placers were not taught to true their slides at all. No doubt they swarraffy found that when crooked to play in such a low key as to render the hore alread double in length is was derivable to make the valve elifes longer, but, as a rule, the memor toxing of these elifes was on unknown art. Another important remark was that with respect to the sito troubens. The trupped was decidedly out of fashion, but some of the faults charged appe decidedly out of fashon, has some of the famile charged upon it as doubt some fame the first that the natural excluders in the onchestra, the ofto trumbous, had been removed. The trummet base and there was had the only quartett of instruments in the orchestra which was nerfect, expert the strings, and withis coartest was sacrificed. He was serry to say that even Sir-Michael Costs allowed the quartett to operat of a trumpet, two bence treeshours, and a beau, which was destroying one of the home you would not poly only the introntic heavier of the matrament itself, but would extraort the travecet and atvenethes those notes which the latter could not produce efficiently. If at all The principle might be applied to other instruments, and be he was not get in a position to bring it before the Society. Hahad obtained 19 notes in the octave, which gave abundant merse of doing all that was received for time reference. But there was one other thing which must be done proclassrously and this bore remembal on the opention which, he believed. Mr. Bosecoret was about to doal with. You must tell the nufertopate player which note he was to play in each instance. Hitherto the necessary accommodation had been effected in a rough way by the ear, but if this also were to be carried out the scores must be gone through, and the notes marked which received to be observed or fattered. When this was done the requitite perfection in instruments being attained, and the music properly marked, they might hope that the crebestra, in folia, splender, and brillieger of tone, would surpass saything which had yet been heard.

On Insurrements in the Property

Mr. RELETET and the , as nonelectors of town interments, is notified, speed with what the live midd by the Reson regarding the word of bourdedges in the part of players of the regarding the word of bourdedges in the part of players of the regarded fire regarded fire length in one fire part in million points, with the walls while related in the related to which they related fire regarded fire length in the related to which they would be regarded from the lates of the lates of the contract of the lates of the lates of the lates of the lates of fifted by in the way of the player who had colp his one part thought his. What he was point by the late is to said out of the lates of the lates of the lates of the lates of the was existent, that client, the lates of the lates of the lates of the lates in make the name was probable to a market. ON SOME POINTS IN THE HARMONY OF PERFECT

By R. H. M. BOLLEGEW, Eq., M.A., P.R. A. S., P.G.S., Fellow of Rt. Jaha's Chillers, Oxford.

True study of Humany is the study of the combinations or shoots which are formed from marinal notes: The Humany of Posts Composures in the study of own-

Constitute or shorth formal dises notes which have been occurred by the aggregate of the constraints by the state of the first of the f

While I am adjustable, giving a summers. A preparate one are attending of the Association to a few of them points, which exectably will be fundamental in any trentment of the harmony of parfect constrainess that any receivably be undertaken. As there a great tending to min append confine the different

As there is greet including to mix, apined condons the different pertises of the subject of improved intensition, I must releval to the Statis of that portion on which we are egopped in-day; and for this purpose it may marily or fart to the second monon given which is "Damans the sublinke of missaiffer now to rendere above which is "Damans the sublinke of missaiffer now to rendere above rather more have ensemed to be that of healthy, incomerable in they see that their expeten well rever be adopted in loggenit threatisms, the astitutes of it angiget maniference or transical Treatment, which,

the salatance of a single manicrysion or revolute Threature, which, on the other hand, if will be sorrowing scongled when it is madern such such an early state of the salatance in the salatance

exaziona has a udoshielly hal against the study of the various methods of tasking.

The derison of the subject to which I above referred consists mainly in the definiteation between the so-called mean teer system and systems based on perfect consumers. For the data of the news teer system I most refer to my book on Temperatures! existing motion: in fact, it was the material language of Handel and others of our greatest component; and by the application of any heptomed its performance has been resolved perfectly starp, as that the challenge in the canage from Dr. Relater is taken to.

This own humans is coly will be with an unitarily different class of systems. Though to some visits significant classification of the systems and the systems of the system

Almost all recent writers state that whenever harmony has heen practiced the church have been reade up by combining corotte neurals of the scale at that time in use.

As its, however, as my collain have scarred us, there is a minutes sainty after counting in which over a sharered are included as the processing of the control of the constration of the collain of the collain of the collain of the scale of the collain of the share remine where the reads from which increasement can include the collain of the collain which increasement can include the collain of the theological time of the collain of the collain of the collain of the collain of the form of the collain of the collain of the collain of the form of the collain of the colla

stored many deposited on the type, where the energy and the contribution of energy large. He see the contribution of energy large many the contribution of the contrib

OF INTERVALS CROTCH'S

348 On some Points in the Harmons of Portret Communicate.

I connot hape to discuss any large number of shortly to-day; and i propose to devote the three study to shortly storand from a series of their. Minimbals has discussed several cases of these charte, but he conduce binancial principally to such decase oness in which it is detailed to devot from the second manufacture of the conduction of the study in the conduction of th

come in which the chairmake is deport from the abstance noise of the distortion scale.

Belinholts enumerates first the different kinds of thirds, fourths, and fifther, these are the elements of our chards we may return them to a small number of elements, from which the

Perfect third Prihagorean (hird (a comma sharp)				1-7
				4-
Fifth mistaned a s				

The winer thirds, suggested fourths, diminished fifths, and other interests are conceptly determined by constructions of the

above. These stocks we assure the mean and the which arise more of the control of

what processes you would past, say from \A to A.

I proceed to consider the chards farmed by a series of thirds
on the dominant.

The common shoot of the dominant is—

g-Versl

I cell year attention to the following variations of it.

The equal temperament obsert.

The effect of the desired of the following resistance of the following resistance

The object g - 1 - 2 with ryingstoon with.

The object g - 1 - 2 with depressed second of the key and false fifth.

the contraction of the contracti

On some Points on the Harmony of Perfect Consecuts

Add the mirror provesh*---This f is derived by toning two-fifths from g; it represents

the ordinary minor seventh, and is very rough, Depress the fo course-

4-4-4-4

This chord is nearly empoth, it is approximately the consquares of the barrante or renth

Raise the first f a consum-4-34-4-71

This is the chord of the seventh according to some of the old theorists, who made the //a minor third (6:5) to the dij it w Add the much to g; then, varying the seventh and ninth, we

> 8 (2/2/2/2) 85 1-3-1-1-10 W 1-3-4-71-8

(1) In the short given by Helmholte; it follows from selecting the notes of the diatona soule, that u, the on is runds the

But of I also this should be sounds about table. We remade. ones that that he makes a false fifth with d which is colde. 60h with a perfect, at the cost of the Prihagorean third / -- a. (E) Is thus obtained; it is still reach; we truce the rough-

ness to the seventh g-f, and the sharp third f-c. with the . s. but we introduce the fides fifth g - . A.

retainly to improve with the (4) Here we make the a, so that the 60hs are both perfect

a. The bad seventh is the entr dissenses, but it is very (1) Here we still here both filles perfect, and give the arresth its exceedant position \(\frac{1}{2}, excelling the third, which is now two commes sharp. This is to my early far

the west televable southing of the shard indeed the cale Helmholts treats the employment of the 56h d-> e in

these cases as porrect; I can only say that if such combinations * Reference abould be made to Crotable Table at p. 147, to see what 110 On some Points in the Harmony of Perfect Consumers.

are to be used I had rether stick to equal temperatures, which

in other setting to bad.

Be not measurely the case that inventions or derivatives of a check are best taken in, the same way so the check staff; if frequently happens that the relative impostance of the different notes is notively changed, as for as the preservation of harmonicaness is contractly changed, as for as the preservation of harmonicaness is contractly the instance, in the dominant oversals, if

No approximate increase of essentiumes in obtained by depressing the few (terceises say, what is the use of ecology for the smoothest feward of conditions of The sor libest discension. I say that if we are to use these shorts, their smoothest few resources for their unique of the sort of the conditions of the sort of

The relationst that the rar Blest discussars I must in this way. I do not believe that any healthy our line rath the way. I do not believe that any healthy our line rath discussars was not concern on any produced by notificiary any concessars our or from convenances by not less than a resolute, ree of quite a different characters and have notified if the hereith schepules of convenences initiated by one or two contents. These said of the control of the

in which discensive of mistaning, so I call thru, are heat officiary.

I will now equider one or two case in which fluedons is gained by the connector of a link of the shale of notes which constitute the convolved school of the leich. We have seen that

the whole chain connot be put together without the consecute of discremence.

Onlinion of the Fundamental p.

This pecualis us to depress the second of the key, so as to form a fifth with the sixth, 'd.-.'s. The chord then becomes

The combination \b -\d --f still possesses some reaghness. We have passed over the study of the forms of the dissonant tried, which should poscode that of these chords, and does preceds these in He'bubble; but we can admit that

pert of the complete chord of the harmonic serenth, is the

smoothest form, and b - d - f, which is most like the chord in ordinary see, is of medium

On some Points in the Hormony of Perfect Consumence. 181 In a passage like the following

we have the first frem above mentioned, i.e. that derived from shord determines the Card S o and the S d in the second shord When the shord is struck without ensuession any from not

discussed of shelf may be need. We have above on example of the constraining effect of meneralize | consider new a succession similar to the above, with the difficulties thru prierry are rearly as great as in any reas. I



If we try to introduce the second of the key in the second shord it forms a chain of 60th butman the dominant and sixth of the hore the one receives it to be if the other \ d. it is therefore presentitie to introduce the correlate shord of the much on the dominant when the moth is exceeded as the sixth Consider next the chord formerly solled the 'added sixth,'

new negative desired as a chard of the severals on the superspace.

The above would be this overd according to the notes of the distrato scale, but this is instrumently on account of the false \$50 d - \c. It has been negal to avoid that by decrees

red in the position which gave vise to the

consumences, containing only the mild dissonance of the whole town. Its resolution is this form, with automation of the sacred of the key, presents, however, absect insuperable difficulties.

154 On some Prints in the Harmony of Perfect Greens

This is the only state way of affecting the resolution. But it involves a drop of the whole pixels by a comma, which has greamly a very disagreement of the secondary of a failer fifth on, an any option, by believed thought a many option of a failer fifth one, and my option, by believed time, the would write the entangle of the believed time. Be would write the entangle.

6-8"-1 131

As before, I say that I would make stick to equal temperature than how such sends so these.

If it is really required to employ such passages in connection

with perfect concentrates, it is in my uplating generally best to merrice the thresh in it the above passage the steel f— vs would be dissipale into the above passage that steel f— is it is solding in guarded by the employment of perfect concentrates where such expedited how to be reacted to.

I have realises coved so far to post out our of the principal difficulties in the laneausy of perfect concentrates. The best

difficulties in the harmony of perfect consciouses. The best way for the components deal with these pants will be to avoid them.

Successions of trainer thirds whent of easy treatment; the minor third is not no interval encaptable of sequents totaling, and

namer; the following are near forms:

Augmented Sieth.

The use of this by the citier component, especially Menset, is so effective in just intensition that I am results to believe that his was sat which their view.

Buffering to Country White, we only see that the segmented sixth / AP—Fil may be represented as an octive less two disistent semilores (content to circum, serves the delited lines, is a distance sometime or a unique ensembly.

In ratios, two distoric semitones under $\left(\frac{16}{13}\right)^2 = \frac{514}{518}$ and an extract two distoric semitones is $2 + \frac{434}{618} = \frac{616}{522}$. But

the ratio $\frac{7}{4} = \frac{224}{123}$ Whyere...

On some Points in the Harmony of Profest Gourmaners. 15

The expressed sixth differs from the hormonic serveth only by the small unionval age, or shout § of a comma.

This accounts for the flot that the augmented eath of part intension is a very emosth combination:



the ariginal few states a transferable regs. It is not exact perceived by prefect consciousness, but he is really within a periodic section of perfect consensation, that has deviations on the constitution of the periodic section of the constitution of the feating profession and to regs heads on Temperatures 1, 2 do not propose to caker here into the matter.

No discussion acres on the Paper, A number of Hustraliuss were perferred on the 'Enhancement Organ.'

Speciments of the Printers, Non-1994 Agreem, Same







