No. 1537 . J. Bostwick, St. Catharines, O., 17 th July, 1872. MEZZOFANTI, THE MAN WHO SPOKE FIFTY-SIX clothes line holder.
No. 1558 . D. Maxw
well, Paris, 0., 17 th July 1872. An im-
proved atraw cutter.
No. 1559. D. A. Johnston, Aingleyville, O, Asaignec of M. Smith, Grey, O., 17 th July, 1872. Improvements in sawing machines.
No. 1560. L. Butterfield, Bradford, $O$., 17 hh July, 1872. In provement in machines for threshing and separating grain.
No. 1561. W. Stoddard, Three hivers, Q., 17 J July, 1872 . mprovements in raw-milis
No. 1562. J. Sulhivan, Thornton, O., 17 h July, 1872. Im. provement in chamber pots
No. 1503 . Powell, Ne
(on Brook, O., 17th July, 1872. Improvements
No. 1664 . Webly, Portneuf, Q., 17 th July, 1872 . Improvements on the art of manufacturing paper from wood pulp and ou the apparatus used therefor.
No. 1505 . W. H. Collins,
No. 1565 . W. H. Collins, Colombus, $0,17 \mathrm{th}$ July, 1872 . A
carriage wheel. carriage wheel. Hamilton, St. John, N. B., 17 th July, 18i2,
No. 1560 . W. Machine for washing clothes.
Hachine for coiliug spiral spring achine for coing spirn springs.
No. 1568 S. II Swartwout Sor
mprovements in saw mills.
No. !569. 'P. Bearagard, St. Pie, Q, 22nd July, 1872. An improved borer for artesian wells.
No. 1570 . H. Bolton, Eliabuctic
mprovement in churns. (Reisenc own, O, 22nd July. $18 i 2$. No. 1571. A. A. Wood, Whithy, O., 2end July, 1872. improvements on reapers.
No. $15: 2$. I', Northey,

No. 15:2. L. Northey, Mamilton, O., 22nd July, 1372. Improvement on shaft conplings
No. 1573 W. W. Clark, South
No. 15i3. . Chark, south Duwfries, 0., 3rd August, 1872 composition for catte wash.
No. 1574. . 1 . White, Hamilton, 0 , 3rd August, 1572, Improvencuts in lamps.
No. 15 Fi . J. M. Will
Cramahe, O., Jril August, 1872 . A machine for dressing mill stones.
So. 1576. H. T. Sarge nad M. C. Ireland, Toronto, O., 3rd August, 1872. Imprutments in beots and shoes
 mprovement in hednteads.

No. 1570 E. Y, Finerty, Halifax, N. S., 3rd August, $13 i 2$
Wrirovement in ekates.
No. 1580 . J. Roue, St. Juhn, N. B., 3rd August, 1372. An phatus for cleaning bothes
No. 153 S . E, M. Coreatry
a ioproved tarbiac
mprocemati on abilette, Muntral, Q., 12th August, $18 \pi^{2}$ mprovem mis on milway phough
No. $15 \pm 3$. J. Finher, jr., Wends




 provemente in carriape reate.

 frovements in home mills.
 provementi in hay racks.
No. 1501. D. Davis, hornal
prement on briek mathines.
 So. 1593 . G. L. Bemmer, Brantiond, $0 ., 23$ di Angust, 1 Si2. Morovement in fences.



 hydraulic. Whd plastic cement.
 . 3he Angust, iste lmprovements in hamp heaters.
No. B69. 0 . Herbert halitax, N. S., 31 st Augrast, Improvements in the art of wamatacturiar gas gugust, 1832.
 THE murvisi
THE BERNIGG OF ST. VATRLCKS HALL, MONTHEAL. On Wedneday, the thd hast, tht about half-past two in the situated on the npper thats of Shaw's maction rooms, on
ifraig steent, and separated from the St. Parick's Hall buid.
 is unknown. The alam was at une given, and as the tire did not look very scrions, it was thought a stream wonld soon pht
it out. Vafortunately, however, owiag to the hydrants being out of order there was not he uswal pomptitude in getting nater to play on the tire which, gatheriag heaway, soon es-
tended to the front part of the Gailing A brisk brecze from tended to the front part of the builling
the enst wart at the the fanned the it
redoubled fury, carrying burning embers gratide wide. The
fire, which had tow hire, which had now got beyond haman control, quickly caukht the roof of St. Patrickis Hall, whit in $n$ few minates it also Wha a mass of lowering thmes, The tire, which kindled in
the roof and upper windows, burned its way down the roof and upper windows, burned its way down through
the floors. When morning dawned the once fine hall was a heapors. When morning dawned tho onee fithe hall whs a
Ronayne, in whose premises nufferers by the tire uro Acssrs. the well-known Montrenl anctioneer Other suitherers are Messers, Whiteside \& Co., spring-mattress makers; T Stevart, IIIM, piano dealer; Higine Bros, wine merchants ; Devany loss will be about $\$ 160,000$. The Hall was insured for $\$ 55,000$, and the atock nad furniture of the sufferers are tolerably woll
euvered by insurance.

The Amcrican Educational Monthly for August contains a very readable wketch of the most remarkable linguist that over lived. Guiseppe Gaspardo Mfezzofanti, the prodigy who spoka afty-six languages, was the son of a poor carpenter of
Bologna, where he was born in 1774. He died in Rome in 1849. His father designed him for the paternal calling. His work-bench happening to be under the window where Father Lespigg was instructing some private pupils in Greek and prised his unconscious teacher when, one day, without knowing the Greck alphabet or ever having seen a Greck book, be repented and accurately explained a great number of the words which had fallen on his cars while at work. This anecdote is paralleled by one told by Coleridge in his table talk, where a servant, cmployed by an Finglish elergyman, who was in the repeated during anoud his ifebrew bible in his study, actually repeated, duriug intervals of delirium, whole chapters of tho
old Testament in the orizinal text. She, like Mezzofanti, had no knowledge of the alphabet, grammar, or dictionary, but the no knowledge of the alphabet, grammar, or dictionary, but the nection, tenaciounly held them.
The gifted young iman desired to leave his trade and enter the Church. The sind-hearted old oratorian assisted him. He pieked up langrage with wonderful facility. His raemory retaiucd every word his ear had once heard. It was not only
the words but the connection-in tioms he was peculiarly the words but the connection-in tioms he was peculiarly
strong-and the intonation. Ho learned in college, Latin, Gtrong-and the intonation. He learned in college, Latin, up French from an old priest of Blois Swediah from picked up French from an old priest of Blois, Swedish from an old
Swedish physician, who had settled at Bologna, and Coptic from a learned clergyman, the Canonico Bingarelli. In 1797 he ottained priest's orders, and shortly afterwards he was appointed Proteseor of Arabic in the University of Bologna. He refused to take the oath of allegiance to the Cisalpine Repub-
lic, and in consequence lost his position. In 1804 he was reslored, and in 1803 again deposed, owing to fidelity to Pius Vil. In 1812 he obtuined the position of assistant librarian of his wative city, and two years afterwards he was made chief
hibrarian. Napolcon endeavonred to lure him to Paris, Murat to Saphe, the Grand Duke of Tuscany to Florence, the EmRome; but in vain. He remained at Bologna until 1832 when Grugory XVI., an intimate frieud of his, after, as he laushiusly put it, "a regular siege," finally succeeded in in staling lita as Preberd of St. John Lateran Charch. He Was subisquatly the successor of the celebrated Mar as libra-
rian of the Vatican, and in 18.40 he and his predecessor wer devated to the Cardinalate.
It was during the sixteen years that elapsed between Mezzofants devation to the chicf librarianship and his removal to
kome that he extended and perfected his knowledge of lancuage. He was "foreigners confessor" at Bologna, a ciries. He visited the hospitals assiduously, and never failed o improve an opportunity at picking up a new language or amiliar. It was not that he had simply a knowledge of the langenge, bat he spoke them with luency, pronounced them
corecty, and wrote them idiomatically. The porters said correcty, and wrote them idiomatically. The porters said
rumers at bologna always mentioned Mezzofanti as one of The wonders of the town, and no literary foreigner visited the
city during this residence there who did not call upon bim Whey were all impressed with his proneciency. Lord Byron They were all impressed with his prunciency. Lord Byron,
liers Jacob, Guido Gowes, Dr. Baines, (in "Miss Mifford's Hecollections', and M. Manairt all witness to the powers of of hem hat quainty remarked, have been able to have acted a; general interpreter. Dr. Baines says: "The last time I
was in Rome we went together to the Propaganda and heard puches in thirty-five or thirtr-six languages by converts of varions matims, Among them were natives of no less than
theree of trars, each talhing in his own dialect. They hem all, and cond tell with but the cardinal understood which cach jargon differed from the others." He masterad Chinse late in life, and yet he was able not only to converse with the Chinses students in the Propaganda, but to preach to the wand deliver a set of homilies in their own tongue. Herr dowes says that he spoke cight languages in bis pre-
sconce of an eveaine, and changed from one to the other with he greatest facitity and without confounding the words or pronanciation of the one language with those of another. He sent this same thaveler the name of God written with his wan not comming their subdivisions into dialects. were EuroArantic without comating diacts five African and four tome tican. Mezzofanti's lite was simple and childike, and deroid oí all pretersion.

## organs.

Pan's-pipes or the grias was probably the origin of the organ. Organs are believed to have been tirst used in churches stantine sont oneys with that addition to Pepin, king of France This was probably the orzanerected at that date in the church of St. Corncille at compingte, Hydraulic nud pneumatic orbiny says: "The wind heing forced out by the violence of the hot ways: "the wind the the whole cavity of the instrument, which, from several aprourcs, pasiug throngh brass pipes, sends forth musical notes." liefore the tenth century, those in Eagland wre more important than those abroad, Elfeg, bishop of Wincliester, fot one in 931 for his cathedral, and this was the largest then known. In the eleventh century, Theophilus, a
monk, wrote a treatise on organ-building, but the organ did not nssume its present form until the midale of the 15 th cenary. Half-motes were introdaced about that time, nad in In 1641, a great wany lime instruments were destroyed, and at the nestoration it was neecsary to introduce foredig Guilders into England. Bernard Schuidt (or Father Smith) and his nephews came at that time. Thers is a chamber orSchmidts and the Harrises, also celubrated organ builders, had a trial of skill at the Temple Church, each family erecting nu instrument; Lord Chnncellor Jeffices gave his decision in
favour of the Schmidts, who bava organs at Carist Church nad

St. Mary's, Oxford; Trinity College, Cambridge; St. Margarets, Westminster; St. Clement's Danes, St. Paul's Cathedral and Southwell Minster. Schmidt's son-in-law, Schreider, buil Fields. Though the continental church organs may appear to have more stops than ours, many of these are only halfstops. In fact, as has been said, "we possess some which, in regard to the grater calibre of the pipes, and power of every
kind, surpass any foreign ingtrument." I'here are fine organg of this kind at York Minster and the Town Hall, Birmingham, the former having more than. 4,000 pipen.
A great deal of discussion has arisen respecting the meaning of the word "pair" when applied to organs in old inventories. Douce thinks an organ was so called when it had two
rows of pipes ; but when that was the case the word "double" rows of pipes; but when that was the case, the word "double"
was used. One antiquary thinks it means the fixed and port able organs united; another, an organ with two rows of keys; but the term was used before more than one row of keys was known. "A payre of orgongs" occurs in a chureh-warden'known. "A payre of orgongs oceurs in a chureh-warden'-
account for 1444 . We think the opinion of Mr. T. L. Souths gate (Essex Archxological Socicty's "Translations;" iv. 161) the correct one-aamely, that it means simply a complete one,
being identical with "set," as a pair of scissors, a pair of being identical with "set," as a pair of scissors, a pair of cards, a pair of spectacles, etc. The "portative" mentiontd in inventories is a small portable organ which could be car
ried in processions. Mr. Southeate says it was sometimes ried in processions. Mr. Southgate says it was sometimes used in churches to play the melody only of the cantus firmus The fixed or positive organs were sumetimes carried in pro-
cession, as in the cuts of the Triumph of Maximilian, graved in 1516 by Burgeair. One of these instruments it there represented being carried in a car, and beiag plaged upon by Hofmaister, a celcbrated organist.-Chambers':

## Canadian progress.

The Windsor Record is informed that the North Shore Silver Mining Company have struck rich silver ore at a depth of only eight fect
to the tou

## to the tou

Mr. Abbot, managing director of the Canada Central Rail personally superintend the construction of the branch to Pin to personally superintend the construction of the branch to Ren.
The Lindsay fost is advocating strenuously the immediate Railwar. It poiuts out that the Nipissiar Railway wiil has a very injurious effect on their markit if some steps are no taken to counteract it, and surgests that the construation of
the road adrocated by it will bring Toronto, Whitby aud Yort Hope merchants into eager competition on the Lindiay market.
The Norfolk railsay question is likely to be on the carget again in the course of a fortnight, when application will be
made to the ratepayers of Sorfolk, tirough the sections of cade to the ratepayers of corfolk, through the stctions of Waterford Ezpress has no doubt it that a scheme can be sub mited to the electors of Townsend, Simeon, ani Woodhouse mitted to the electors of Townsend, sumeos, and woodhouse, o Dover." On the other hand, the promokers or the wood therance of their project. It remains to be seen which will be found to be the moost popula
Work on the Gananoqne and Rideau Rantray is still progressing slowly. It is stated that several of the parties from
whom the right of way must be obtained asked more than the ompany felt inclined to sive obeir cases hare been lat t arbitration and will probably be settled to the satistaction of all concerned. One or two owners rufused to allow the com pany to enter upon the land until the pries was agreed upon made to the judge who isoud an order to the sheriff and the company was duly placed in posiession.
The Halifax Citizen has an article on the bright prospects of that city, in which it points out the advantages of Haliax, the leading buiness men and heary capitalists that they must a vail themselves promptly of the inereased facilities for trade or stand aside and set strangers reaping the harrest. The completion of the railway to Amberst gives Halifax conuection with the contineatal system of railways, and ensures the
landing of a portion of the mails and passengers from Europe landing of a portion of the mails and passengers from Europe
at that port, as there is an irresistitle tendency to shorten sea at that port, as there is an irresistible tendency to shorten sea
royages and save time. When the Intercolonial is finisked it royages and save time. When the Intercolomal is ninised it
is anticip ted that "a large part of the trafic which has hitherto gone by the Portland route, when the St. Lawrence is closed in wiater, will go by the lutercolonial." "In tact," it British North America, and to some extent too of the laited States, and at the same tiune the half-way house betwern America and Europe:"
Port Dover and Lake Ifron Ralwar.-The prospects of This enterprise are thus summed up by the Woodstock Sent nel: Thanks to the excrtions of Messrs. Moore and Ballock, the
Woodstock directors of the port Dorer and Lake Hurou Bailway are being roused iuto something like activity in prosecuting the scheme nad furthering its progress amongst the people. More correctly, we should say a portion of the Wood-
stock directors; for, so far, the daty of canvasing for the stock directors; for, so far, the duty of canvassing for the
requisite private stock seems to have derolved entirely on Mr. Cequisite private stock seems to have devolved entirely on Mr. aid as could be secured by pressing into sarvice any other of our prominent and enterprising citizens. Notwithstanding this culpable apathy by a part of the Woodstock representation, we are glad to know that the scheme is being readily supported by the people. Already $\$ 15,000$ of siock have been subseribed in Woodstock, and it is contidently expected that this amount will le increased to twenty or twenty-five thouon the permaneme bound of directors-a fact which should not be the permanemt of by subscribers. The two Norwiches hare sabseribed about $\$ 25,000$, so that, altogether, between forty and fifty thousand-nearly half the required amount-have been secured without an appeal to any of the more southern or northern municipalities which are equally iuterested. Port Dover, we are assured, nill without donbt furnish $\$ 15,000$, aud with proper exerfions elsewhere the $\$ 100,000$ stipulated by charter should bo forthcoming in six wecks. That secured, the oon-
struction of the road is an abeolute certainty.

