## NEW－YORK，MAY 31， 1856.

## The New Patent Bill．

Inventors and sound thinking men，inter－ estedin patents and improvements，with whom we have conversed during the past week，are
decidedly opposed to the New Patent Bill． The Press of our country，too，which has al ways very generally sympathized with inven tors，is opposed to the Bill．Our editorial brethren，who have read it carefully，believe it to be unworthy of the present enlightened age，and opposed to the democratic nature of our institutions－some of their views we pre－ sent in another column．The general feeling among inventors，and the honest assignees of patents，respecting it is，that＂it appears to be framed for annoying and injuring them．＂It provides for such a tedious and expensive va－ riety of processes for patents，that if it be－ came a law，it would undoubtedly operate to
retard improvements in the arts．Any law that would exert such a tendency，would be a public calamity ；therefore，the interests of the people demand them to oppose it，and this they do．The object of any amendment to the pat－ ent law should be to lessen the number of pro－ cesses through which patents have to pass； also to render those processes more simple and less expensive．The spirit and provisions of the new Bill，are of the opposite character．

The firstsections of the new Bill，providing for the raising of the Patent Office into a U．SS． Court，to try cases of priority in invention，and increase the expenses of the office enormously， is not required at all．The same ends could be obtained in a more equitable manner，without any extra labor on the part of the Patent HF － fice．The way to do this，would be by a pro－ vision requiring every applicant to furnish the testimony under oath of two witnesses，res－ pecting the exact date of the invention repre－ sented in the rnodel and drawings for which $x$ patent is applied for．Upon this evidence o： priority，let the Patent Office decide every case presented，and let that end the matter in that quarter．This plan would prevent the possibility of manuticturing evidence for par－ ticular interfering cases，and would simplify the business of the Office．

The confirming clause of the Patent Bill is certainly a disgraceful feature in it．The sum of $\$ 100$ is charged to perform a certain act regarding a patent，while it（the patent） bears upon its face evidence that it had been already confirmed．Thus every patent bears the signature of the Secretary of the Interior， and the Commissioner of Patents，and it is stamped with the seal of the Patent Office． Have not these gentlemen thus confirmed the patent as a legal instrument already，and is it not so held by all the Courts？Certainly Then why charge $\$ 100$ for a work of superero－ gation？Such a provision in the Bill is a hundred dollar insinuation，（to be paid by the patentee，）upon the integrity of those who ad－ minister the affairs of the Patent Office．In fact，such a provision in the Bill is neither more nor less than a declaration that all pat－ ents are to be suspected of illegality or fraud until they are confirmed．Poor patentees would never be able to sell their patents under such a Bill until they were confirmed．It would therefore do them rank injustice，and tend to make them lose their patents altogether，as they would never be able to pay the extension or confirming fees．The Bill should not pass and will not pass，for the united roice of the people and press is against it．

## Asencies for Seling Patents．

We are frequently inquired of as to agencies for selling patents，many persons supposing that we are engaged in that branch of busi－ ness．We wish to state that we are not thus engaged，never have been，and never mean to be．We find our hands as full of occupation as we could wish，in our legitimate business of obtaining patents；with their sale we have nothing to do．

There is no reason，however，why agencies for selling patents ought not to succeed well and in some instances they do．The business
is a legitimate one，and when conducted hon－1 estly and honorably can hardly fail to result satisfactorily，both to the purchaser，the pat－ entee，and the agent．Quite a number of
agencies for negotiating patent sales have agencies for negotiating patent sales have them is that of Mr．T．H．Leavitt，No． 1 Phoenix Buildings，Boston，Mass．，and Ellsworth \＆Co．， No． 64 Randolph st．，Chicago，Ill．We bave confidence in these gentlemen，and therefore mention their names for the benefit of inquir ng readers．
The number oi patents issued increases every year，and agencies for their sale are springing up in every city．The demand for new inventions was never greater，and the prices realized for patents never so high as t present．
OPINIONS OE THE PRESS Of THE NED PATENT MLL．
\｛From the New York Fixpress \}
The New Patent Hial．
The Boston Bee points out the following prominent objections to the Patent bill intro－ duced into the Senate by Senator James．－ Such objections deserve the serious attention of members of Congress，and if the measure is calculated to lead to much mischict，the end may be the overthrow of all laws for the pro－ tection of inventors．As it is，the discoverers of ingenious works of art are about the last to receive the benefits of their inventions．In the main，assignees reap the prolit of other men＇s brains and labor，and it has been so in this country for filty
［From the Butn Dily lees．］
ays since a telegration Some days since a telegrapist dispatch
from Washington was published in Boston， from washington was published in Boston，
sent most industriously over the country pur－ porting to represent this bill an one calcuided to protect the pubic＂gainst dishonest wit－ ents，and on the other hand，the meritorious inventors against dishonest pirates．This is indeed a very easy kind of bill to frame，and every way desirable．We lisuc read the bill itself，and according to our reading this bill of General James，doesjust tire opposite．It takes from the neritorious inventor and gires to speculators on both sides of the water，creat－ ing a system of monopoly wholly at variance with the Constitution and the simplest dictates of common justice，and taken as a whole is the most objectionable patet scheme everyet attempted．It violates the Constitution of the United States by giving patents to mere in－ troducers of new inventions from other countries．It forever in effect bars the public
from testing the question of novelty by a jury． It gives unlimited，final，and dan erous pow－ ers into the hands of the Commissioner Patents．It aifords no substuntal means of repealing a fraudulent patent，and never at all after the second year，and before the pat－ ent can be sufficiently introduced to attract attention．
It prevents the meritorious inventor，who has failed to acquire a reasonable compensa－ tion for his money and time expended in in－ troducing his invention，from any benefits therefrom when extended，as it gives assignees and licensees in the extended patent the bene－ fit which was always designed solely for the original inventor．
It places all mnnü̆turers，railroad，steam－ ship，and other proprietors of public travel at the mercy of patentees after the fourteen years have expired of all existing patents，unless a special contract shall have been made for an ： extension，and acts as a surprise upon inno． cent parties．It will tend to interminable lit－ igation，complicating still more the old sys－ tem，which only lacked the scirefacias to make it a good system of laws．
For one inventor benefitted by it，this bill would seriously impair the rights of twenty present patentees．The greatest beneficiaries， indeed，almost the only ones，are assignees of patents，for whose especial benefit this scheme seems to have been got up．
It proposes a system of stealing from other countries，and making the thing stolen a mo－ nopoly in this，against the use of the true au－ thor，who might desire to patent his discovery in the United States．It opens the door to fraud and oppression a hundred－fold wider than the present system．
It proposes by legislation to debar the sub－
patent in the United States，if under British rule one of her colonies does not chance to！sound ave a system by which American can make This bill also converts the Patent Office at a monopoly in such Province．The same effect！Washington into a huge government printing towards other countries similarly situated． It is alleged that those under whose impor－ tunities this thing has been brought forward intend to lavish unlimited wealth to carry it through．Will they？That is the question．

## rom the New Yoris Herald．］ A New Patent Trap．

Senator James，of Rhode Island，as Chair－ man of the Committee on Patents，introduced in the Senate a new law on the subject．We have received a copy of the bill and examined it with some care．We trust that Members of Congress will follow our example．It is well known that the owners of several patents， worth millions of dollars，such as Colt＇s， Woodworth＇s，and Goodyear＇s，have been en－ deavoring，for the past two sessions，to get an extension．So far they bave failed．but it seems to us that this law hides an attempt to extend them．The Colt and Goodyear patents were issued for fourteen years．and the sixth section of this act provides as follows ：－
And be it further enacted，That from and af－ ter the passage of this act，every patent，ex－ cept such as by this act are limited to seven years，shall be granted for five years．Upon the application of any patentee or assignee of patent for the extension of a patentso grant－ d，previous to its expiration，and on payment nt Fund，the Commissioner of Patents shall extend such patent for a term of fifteen years， which extended term shall be subject，how－ ver，to the conditions and restrictions for the onfirmation of such patent，and the proceed－ vided in this act．And all patentees and aso－ signees of patents which are now in force， may，after the lapse of five years from the date of the letters patent，avail themselves of the provisions of this act：Provided，That the term or which such patents may be extended shall at exceed the term of twenty years from the ande of insue of the original letters patent nowed or extended after the expiration of said twenty years．And provided，further，That no patent granted under the third section of this act for an invention not otiginn！with the pat－ entee，or for at design，nor any registr
shall be extended for a second term．
The proviso，＂that the term，＂\＆c．，will ex－ end all the old patents six years．By the provisions of the thirteenth section it is made the law that the right to extension can only be controverted by the validity of the patent． We trust that the members who are，as John ＂an Buren says，＂opposed to stealing，＂will look sharp after this law．
［From the New York Sua］
Proposed Chanze in the Patent Laws． A Bill for the amendment of the Patent Laws，by which several very extraordinary and dangerous changes are sought to be enacted，was read in the United States Senate
by Mr．James，of R．I．，on the 10th inst．， ordered printed，and passed to a second read ing．
The existing patent laws，it is well known， are extremely simple．To obtain a patent the applicant deposites a model，drawings，and pays a fee of $\$ 30$ ．This is the whole process Nothing more is needed．This simplicity and cheapness，by placing the obtaining of patents within the reach of all classes，has stimulated and encouraged invention among us to a mar vellous extent．The whole world pays hom－ age to American ingenuity．Our patent sys－ tem，harmonious and successful in its opera－ tions，stands to－day a model for evary govern－ ment in christendom．
In the face of these undeniable facts，and in the midst of the greatest prosperity，so far as respects new inventions，patents，and patent property，it is proposed，suddenly，to subvert the established order of things，to undermine he market value of new inventions，and to discourage our citizens from seeking pat ents．
The
The new Bill proposes to increase the off－ cial fees from $\$ 30$ to $\$ 210$－in cases where six claims are made－or seven－fold；to de－ stroy the simplicity of obtaining and holding patents by surrounding them with intermina－ ble legal quibbles and forms，which render the employment of lawyers and agents indispen－ sable，but for whose services the inventor must roundly pay；to deprive patentees of the last fourteen years，who have assigned their pat－
onts，of the existing right of ostonsion；to make
warehouse，and exalts the Commissioner of Patents into an absolute petty monarch．It makes him the judge and jury in all patent cases，and authorizes him to appoint agents throughout the land，who are to have the pow－ er to punish people，by fine and imprisonment， for contempt of them，or the mandate of their new ruler．
Such are only some of the evils which this new bill appears designed to inaugurate．Its principal object seems to be to give extension， under disguise，to certain profitable patent monopolies－relating，in part，to pistols and india rubber，－that are now about to expire， and can be renewed in no other way．The people have not asked for any such changes as are contained in Senator James＇bill，neither have inventors．They are not wanted ；they are wrong；and therefore should never be in－ troduced．The present system has worked， and still operates most admirably．＂Let well enough alone，＂or at least alter only so as to amend and simplify，if that be possible．

## ［From the Sinw تolk Times．］

r＇Eatent But．
When the exciting topics which are now engrossing the attention of the Serate shall have been disposed of，the very remarkable bill introduced by Senator James，of Rhode Island，on the 9th inst．，to amend the Patent Laws，will doubtless cape up for cersiderat tion，and cannot fail to elicit a warm discus－ sion．Mr．James＇bill proposes certain changes of so radical and startling a charac－ ter，and which must afiect so many important public interests，that it will not be permitted to stip through the Senate without a search－ ing investigation．The bill has an innocent look enough on its face，but a close examina－ tion of its principles will show that the amend－ ments which it proposes to the existing laws are not calculated to promote the public good， thongh they may possibly be of great profit to certain individual interests．

Hecent American Pateme．
Arithtitel Stone－By Robert Nuisctas of New ork City．－This invention cousists in cal－ －ning a quantity of plaster of aris，and mix－ ing with it sulphuric acid，a solution of alum， carbonate of ammonia，and sand．The paste thus formed is pressed into molds of any de－ sired form．After a short time it hardens into a species of stone，which water or moisture，it is said，will never affect．
Improved Brick Machine．－By Edmund Kings－ land，of New York City．－The molds are ar－ ranged on a rotating cylinder．In most of the breck machines of this class the mold cylinder is made very large，and the finishing is done by smaller roilers．The chicf novelty in the present improvement，consists in employing a segment cylinder to do the linisuiag，and in causing the face of the segment to pass with a scraping movement ver the molds．This arrangement permits the use of a mold cylin． der of much smaller diameter than is usual， reduces the expense，results in better work：\＆c． The molds ore furnished with pistons for regulating the depth，and also for pushing out the bricke．By a peculiar device within the mold cylinder，all of the pistons are moved simultaneously．
Solder－irm Steve．－By James Wilson，of Brandywine，Del．－Consists in extending hol－ low tubes from the outside of the stove into or through the center of the fire．The solder irons are bented by placing them within the tubes．This improvement permits the use of anthracite coal with success，saves fuel，heats the irons better，dc．It appears to be a very good and useful invention．
Improved Vise．－By Orlando V．Florey，of Yellow Springs，Ohio．－The jaws of this vise are constructed in the usual way，the station－ ary jaw，$B$ ，requiring to be firmly secured to he bench，A．Instead of a screw，a simple， round rod，D，passes through both jaws．To the lower end of mable jaw C a rigid brace， G，is secured，extending up through a slot in he stationary jaw to the end of rod $L$ ，which it embraces by a fork，as represented，so that jaw C cannot move withoat also moving rod

D , and brace G. The upper end of brace G is
sharpened so as to mesh into the notches of sharpened so as to mesh into the notches of rask 1 , which is secured to the under side of the bench. The brace, which thus becomes a pawl to the rack, shouid have sufficient vertical play to enable it to enter and be disengaged from the rack, but no more. A notch and pin, H , may limit this motion. A few coils of screw thread are cut on the outer projecting end of rod D. on which a nut, E, fits; this is provided with the ordinary winch or handle used for turning the screw of a common vise, and with a flange, b, around the edges of which, hooks, $c c$, pass, to keep the nut in contact with the jaws.


When the jaws are free, the weight of the brace, $G$, keeps it disengaged from the rack I, and consequently the movable jaw may be pashed in or drawn out by simply sliding it along. But when any artic:e is placed between the jaws, and the movable jaw is pressed against it, the lower end of said jaw is thereby pushed inwanrd toward the movable jaw till the ratchet brace enters one of the notches of the rack, I. A turn of the nut, E, then tightens the jaws upon the article, the stronger the pressure against it, producing a corresponding increase of pressure of the brace, G, into the notches of the rack, so that the article is again set free; by turning back the nut, E, the ratchet brace falls from the rack, and the vise is free to be opened or shut by simply sliding the rod, D , and movable jaw, c.
This vise accomplishes two objects most desired, viz., to open and shut the jaws by an instantaneous movement, requiring only a turn or two of the winch simply for tightening, and to keep the jaws parallel. It not only effects the latter purpose, but permits the movable jaw to be adjusted to an exact paraHelism with the other jaw, or to cary but slightly therefrom. And withal, its simplicity is such that the cost of the manufacture is less than that of the ordinary screw vise. It is equally suitable as an iron and wooden vise for the smith or the carpenter. More information may be obtained by addressing Messrs. Florey \& Davis, Yellow Springs, 0 .
Improvement in Ges Retorts.-By John G. Hock, of Newark, N. J.-The object invention is to enable the heads of the retorts to be more handily and quickly attacied and detached than the mode of fastening them, at present in general use admits. Another object is, to enable the fastening to be readily detached from a worn out retort and applied to a new one. The neck of the retort is cas
with a stroug lug on each side, close to the mouth, said lug having a square hole through them to receive the square shanks of two hook headed boits, which, with a bail and an in clined projecting rib, on the outside of the retort, constitute the fastening.
Improved Head Block for Saw Mills,-By Bela Gardiner, of Florence, Mass. -The ordi nary head blocks of saw mills must be moved
by hand after each board is cut. This improvement consists in rendering the head blocks self-moving so that the labor of an at-
tendant for that purpose is not needed. It is done by means of an endless chain and pinion screw connected to the driving machinery. The log, after being properly placed upon the carriage, will be all sawed up into boards without stopping the saw.
New Method of Hanging Saws.-By John Robingson. New Brighton, Pa.-Consists in hanging the saw frame between the ends of vertically vibrating arms, so that the saw, in its descent, will be thrown forward against the stuff, but in its ascent will be drawn back, away from the wood. This improvement is said to render the saw more effective in cutting, to consume less power in rising, afford better opportunity for the dust to be cleared from the cut, \&c.

Weighing Apparatus for Carts,--By James W. Martin, Burlington, N. J.-Consists in the attachment of a weighing apparatus to common carts, so arranged that by pressing a lever the cart body and its contents become separated from the wheels and swings on a scale bearn, by which it may be accurately weighed. No change in the form of the cart is made. The conmon use of such vehicies would put an end to cheating in the weight of coal and other articles, for the consumer could himself weigh them, before his own door.
Music Rack -By Thomas Ward, Birmingham, Pa.-This is a frame for holding up music books, and is intended to be piaced upon pianos, organs, and other instruments. One feature of novelty consists in the facility with which it slides from side to side, so as to accommodate the position of the performer.Another feature is an action which turns the leaves of the music. This is done by a spring and wires. By touching a pin, and the leaf instantly turns. The invention contains other interesting features. We have an engraving in preparation, which will shortly be published.
Husking Thimble--By J. H. Gould, of Deerfield, Ohio. - In the operation of husking corn it is common to take the ear in one hand, and with a nger nail of the other, to slit the husk lengthwise, so that it may be more easily torn off. This method wears away the nail and excoriates the end of the finger, rendering it so painful that the operator is obliged ere long to quit work.


The present improvement consists of a thimble, A, the bottom part of which is furnished with a small cutter, $B$. The thimble is worn apon the finger and used in place of the nail. It is an effectual remedy for the evil above mentioned.

## Recent Foreizn Inventions.

Air Spr ngs.-A patent has been received by T. Macintosh, of London, for rendering membraneous tissues, such as bladders and skins, air tight, whereby they may be formed into bags, and made into air springs like india rubber. Skins or bladder tissue are steeped or some hours in solution of glycerine and gue, and then taken out and dried. After his, such tissue can be formed into a bag, filled with air and placed in a cylinder in which a piston is inserted for the purpose of forming an elastic air spring. The object of
road cars, \&c. Air springs of the same nature, but formed with india rubber air bags are old and have been illustrated in a back vol-
ume of the Scientific Amerions, and are of ume of the Scievtific Amerioan, and are of American origin, but the preparing of skins der them as air-tight as india rubber, is a new der them as air-tight as india rubber, is a new
process, and if it arcomplisthes the object specfied, it is a useful discovery.
Steel Pens.-Mr. Macintosh has also taken out a patent for making steel pens with 'two nibs-one at each end of the pen-so as to have two pers on one piece of steel. The penholders are made to receive the nib end of such pens, and not injure them, and when one nib is worn out, it is turned round, as it were, and the other used. This invention possesses the merit of saving steel pen material.
Air Gas.-A. Longbottom, of London-for merly a resident of New York-has obtained a patent for constructing retorts for making gas from oil, with an interior cone in each and convex on the outside. to contain the fire. Each retort has also a fallse perforated bottom, under which is phaced a mixture of charcoal and lime. The oil is pernited to enter the retort and drop on thered hot apex of the cone, wìen it is converted into gas. The gas cannot get out without passing through the perforated bottom and amongst the heated mixture of charcoal and lime, which tend to purify it. From the retort it passes to the cooler, where it is washed with water, and from thence into a receptacle for use. The in ventor was engaged in this city some tive years at, in euleavors to improve portable oil gas apparatus end introcuce trem into use. Cot ton and other factories are now illurainated with oil gas made from crude resin oil, which can be obtained very chen.
New Tooth Pouder:-J. P. Garbai, of Paris, has obtained a patent for a new tooth powder said to possess wonderful virtues over all others heretofore used. It consists of salt mixed with iron in solution, coffee, clicory, sugar, rice flour, saffron, rhubart, cream o" tartar, and powdered ivory. About two grains of the siphate of iron is mixed with an ounce of common salt in solution; the water is evaporated by heat, and the residue is mixed with the other substances named-about one-fourth of each according to the quantity of salt being used. This may be a good tooth-powder, but it is certainly a complicated one, and no better, we think, than are made of common salt, sugar, and whitening, in about the proportions of onc-fourth of the sugar and whitening, by weight, to that of the salt. These ingredients should be ground all together to a fine powder in a mortar. Charcoal may be substituted for the sugar.
Cod Liver Oil and Chocoiate.-FF. H. Lebargire, of Paris, has obtained a patent for mixing cod liver oil with chocolate, and forming the compound iuto cakes. The oil is mixed with the chocolate in grinding the latter. This is stated to be a pleasant mode of $v$ ing cod-liver oil by invalids.

Fushecers, and steam Hoiler Explowions.
This subject is always coming uy in some new form requiringconstant watchfulness and discussion, because it is of such vast consequence to the safety and welfare of thousands of our people. The boiler to which we alluded last week, as having recently exploded at Albany, N. Y., requires to be noticed at some further length. It was a large boiler, weighing five tuns, capable of generating steam for a seventy-five horse power engine. The testimony regarding the quality of the iron, and the manner in which the boiler was constructed, is contradictory ; but, on the whole, we would infer that the iron was pretty good, and the workmanship not of an inferior character. It had been managed, however, with a great
disregard to safety. It was put up in February last, was never tested, and had no gauge on when it exploded. T. Merritt, the foreman of Pruyn \& Lansing, at whose shop it was built, gave it as his opinion that the explosion was caused by the want of water in the boiler and then injecting cold water into it when over-heated.
Some engineers testifed that the iron of the
boiler was bad, but all agreed that the water had been low in it, and the universal opinion
of engineers, ezamined as witnesses, was "tha cold water had been injected into the boiler while in a heated state, for want of water, by which certain gases were generated which caused the explosion." This is the point to which we wish to direct the attention of engineers. D. Gage, an engineer, gave his testimony to this being a cause of explosions ; so did Theodore Merritt, so did Louis Provoss, who also said he heardso from scientific men; and so did W. S. Low, who also added that steam alone could not have produce sach an explosion.
About three tuns of the boiler, in onc picce, was projected into the atmosphere like a rocket, and large pieces of other parts of it were driven nearly a mile distant; and the shock was like that of an earthquake in Albany. The explosion was of such a violent character, that no wonder the engineers who testiGed upon a stock of common information regarding steam, attributed it to certain gases generated in the boiler; in other words, they did not exactly know how it could have becn produced by common or uncommon causes.
We are of opinion that the construction of the boiler was good, ami that the explosion was caused by the sudden generation of a great steam, not gas, pressure, ky injecting water into the boiler while in a highly heated state from want of water. It appears plain, from the evidence, that the water in the boiler had fallen below its proper line, and that the fire acted on the plates above the water, and had raised them to a high temperature-red hot, perhaps. Tee steam above the water in this case would then become super-licatele, and when water was injected into it, a suadden generation of steam weuld take place, and at a pressure far above that at which the boiler was contracted for to withstand, viz., 12 j lbs . Experiments have proved the possibility of heating steam in coutact with water, without increasing the temperature of the latter. Steam heated in a boiler by hot plates above the fixed water line, if rased to a temperatnre of 4353, and water suddenly injected into it, will raise the pressure instantly to 360 lbs. on the square inch. If steam were heated to $1000^{\circ}$; its pressure would only be increased three-fold, but if water were suddenly injected into it, its pressure would be increased 1700 times. What foreign gases could be generated in the boiler that exploded at Albany? What were the substances in the boiler capable of generating them? The water could not be resolved into its elementary gases by the hot boiier. Red hot iron will decompose some water by absorbing the oxygen and setting the hydregen free, but the latter gas is not explosive. Cold water injected on a red hot boiler plate at $1100^{\circ}$ will generate steam slower than if injected into a boiler having its plates of no higher temperature than $450^{\circ}$. Water poured on highy heated plates assumes the spheroidal form, and repels the heat ; therefore the injecting of cold water into the lieated boiler, at Albany, could not have produced forcign gases, nor have caused the explosion in the manner assumed by the engineer and witnesses mentioned. The boiler at Albany was hurricd!y put up; hurriedly put to use without being ested, and recklessly managed without a gauge. All the business connected with it appears to have been driven with furious haste, and this always involves an unwise regard of consequences. As so many engineers appear to be unacquainted with the fact that steam can be superheated in a boiler, and produce explosions in the manner stated, we hope the above will be discussed freely throughout all our engincering establishments, for the purpose of diffusing useful knowledge.

## Shatis for tho Auriatic

The Philadelphia Times states that one of he s'afts for the above noble steamslip has been completed at the Reading Force, Pa. In the rough, it weighed 40 tuns, when finished it will weigh 33 tuns. It is the heaviest shaft ever forged in our country. The crank for it will weigh 10 tuns.

A Grat Phito o her bead.
Sir Williara Hamilton died at Edinburgh on the 6 th inst. He was generally bonsidered the most profound philosopher in Europe. His each of thought was vast, and his learning deep and extensive.

