3cientific 1 mericar

NEW YORK，APRIL 13， 1850.

Reform of the Patent Laws．
The Bill now before Congress，presented on petition of the Committee of the Convention of Inventors，mentioned in our last number embraces some new and good features．It clears up many ambiguous points of the pre－ sent Code，and may be considered as a useful amendment to it．
The second section enacts＂that it shall be the duty of the Commissioner of Patents to issue a Patent on any application therefor，un－ less it shall appear plainly beyond all ques－ tion，that the applicant is not entitled there－ tion，
to．＂

There never was a more necessary amend－ ment required，than this one，at the present moment，for it is the custom of the Patent Of－ fice to throw every doubt in the scale against applicants．There are other clauses providing for retaining on file all correspondence，\＆c．，as evidence，relating to applications for patents， re－issues，\＆c．，whether for or against the same， and in case of a rejection of an application， the Commissioner must record in the Patent Office，particularly and at length，the reasons for his decision．The amendments also pro－ vide for an appeal from the decision of the Com－ missioner of Patents，in any case where a par－ ty has appeared and opposed that decision，to the Justice or Justices of the Circuit Court of the U．S．，where either of the parties reside． This appe＇al is to be decided by the Judge upon the evidence of certified copies of papers of the case，from the Patent Office，and any other ev－ idence deemed proper by the Court Judge，who is to decide upon the same，and transmit his decision to the Commissioner of Patents，who must dispose of the case in conformity to the said decision．It is also provided that if any person shall give notice to the Commissioner of Patents，in writing，to be heard in opposi－ tion to the re－issuing of a patent，it shall be the duty of the Commissioner to give him a hearing．The main and most original peint of the proposed amendments is a plan to re－ peal a patent by a writ of seire facias．The present law provides that the Court can de－ clare a patent null in whole or in part，ac－ cording to the 16 th section of the law of 1836 ， but the section is a miserable piece of compo－ sition，and has been the means of doing a great deal of evil－we are glad to see that the present amendments clear up and defline the principles of action embraced in this section． The amendments also provide that when an application is rejected in consequence of the subject matter being described in whole or in part in some printed publication，the person interested therein shall be furnished upon the payment of proper fees，with copies of illus－ trations and deseriptions of the said publica－ tions referred to．
posed amendment．
Section 25 of the amendments provides for the printing of the specifications in one and not more than three periodicals，to be issued as often as once per month－the patents to be illustrated with wood engravings．The Com－ missioner is to advertise for proposals，and contract for five years with the lowest bidder． We are not opposed to this section，only，if carried into law，the Commissioner must make clear and definite proposals－no tricking must be allowed．It is our opinion that some peo－ ple have an eye on the＂loaves and fishes，＂ and make a great pretence of affection for in－ ventors＇rights．A magazine originated in Washington three years ago，called the＂Mir－ ror of the Patent Office．＂The projectors of it tried to make a haul on the Patent Funds in the shape of an appropriation，all for the cha－ ritable object of＂inventor＇s benefit，＂－good souls they were too full of the milk of human kindness to look for any benefit to themselves． Well，they didn＇t get the appropriation，bu others have taken the hint，and there is no tell ing what may be the result．Should the pro－ posed amendments，or any part of them，be－ come law，we will publish them in full． As our contributor，＂Junius Redivivus，＂ ouched on this resolution of the inventors con－ vention，in one of his articles，we have but a 6 venti
few words more to say about it．It is very evident that all those who voted for it did not know what they were about．The whole in－ come of the Patent Office would not suffice to print every specification，illustrating the draw－ ings with wood cuts．The wood cutsfor some patents could not be got up for less than $\$ 150$ ， yea，we know one patent whin could not be illustrated for less than $\$ 300$ ．The wood cuts alone to illustrate the drawings of West \＆ Thompson＇sClasp Coupling Joint patent，cost $\$ 60$ ，just double the fee paid into the Paten－ fund，and they were done very cheap．We like to see men who attempt to make improvements on law，understand their business．Let the spare change in the Patent Treasury be first devoted to publish the past hist ory of American In ventions．
Curious Drugs for Producing Halluci－
nation．
From time immemorial the singular effects produced upon the mind，by drinking wine， \＆c．，has been known to the inhabitants of eve－ ry nation．It is however but a short time since a knowledge of inhaling certain gases into the lungs produced effects nearly akin to that of drinking alcoholic drinks．It is but a few years since ether was discovered and in－ telligently applied to produce entire insensibi－ lity of the nerves；and it is only two years since Chlorolorm was brought to light，as the best substance to be used for this purpose．－ This singular substance is now employed in our Hospitals for the most humane purposes A knowledge of a letheon，like Chloroform，has been claimed for the Chinese Doctors，as far back as the third century，but when way there discovery brought forward that was not claimed by some pedantic antiquarian，for the Chinese，Hindoos，or the Egyptians．That
the Chinese Doctors used opium to producein－ sensibility，we do not doubt，and that they have been long acquainted with some singular things，unknown to us，no one will deny，but not gases ；and this is especially true of a singular drug called Hashish，which，when
eaten or smoked，produces the most singular eaten or smoked，produces the most singular
mental phantasmagoria．The Hindoos，how－ ever，seem to be better acquainted with it than the Chinese，but it is only within a few years since a knowledge of its peculiar effects was made known to Europeans．This drug is a preparation of Indian Hemp．A recent ar tiele in the Paris Medical Times gives an ac count of an experiment made by a physician with some of it upon a number of individuals． He went to a familiar Cafe，selected his sub－ ects and gave a single grain to each．Some bolted it，others smoked it；one individual merely smeared about a quater of a grain over his cigarette paper．About one grain was dis－ solved in a glass of Curacoa，and this was al lotted to the master of the house．His two young and handsome daughters were forbid－ den to taste of the drug；but the physician had here evidently forgotten his Scriptural his－ tory．About three－quarters of an hour passed quitely over，and the curious were rapidly lap－ sing into incredulity，when a shortlaugh，fol－ lowed by an awful and mos piercing shriek，is－ sued from an inner apartment．The youngest daughter，following traditional example，had tasted of the forbidden object，and was sudden－ ly struck with delirium and hysterical move－ ments of a very alarming appearance．Con－ ciousness was only one half obliterated，and the mind seemed to make supernatural efforts to escape from the chain about to be thrown around it．The shrieks were rapid，most vi？－ lent，and is a peculiar kind．The girl felt con－ scious that she was raving，and earnestly en－ reated all around her not to conclude that she was mad；each appeal being terminated by a
heart－rending scream．Some internal also compelled her to cry，every now and then， that she was dying．With great difficulty she was conveyed to bed，where the delirium con－ tinued for four hours．As if a signal were sent by this mischance，the young men in the cafe went off about the same moment．The effects were not，however，so violent．They were ex－ tremely varied．The indiviual who had smoked some hemp（half a grain）in his cigarette was suddenly attacked by violent fits of laughter， which compelled him to roll on the floor，du－
raising him up to heaven．These fits resem bling hysteria，did not last more than ten mi－ nutes．Another individual，instead of being agitated，fell suddenly into a deep sleep，bolt upright against the wall，with the chin sunk on his chest，and features in the most perfect calm．Were it not for the deep，slow inspira－ tions，one would have thought him defunct for the face was deadly pale．So profound was the sleep，that it continued for three hours， despite the shouts and screams of the excited bacchanals who danced around him，for in the majority the hemp merely produced intoxica－ tion．In all，the excitement was soon followed by an invincible tendency to sleep；the bench cs were strewn with the slain，and delightful
dreams，producing strange laughter，repaid the dreams，producing strange laughter，repaid the Therefore，

## enturous tasters for their curiosity

The love of excitement is so strong in man that he seeks it by some means or other，hence in those countries where wine is forbidden， opium and tobacco are used as substitutes Atthe foot of the Himmaleh mountains，a hemp grows wild，from which a liquor is made which produces intoxication of the most dread ful kind，exciting every passion in a high de－ gree．A man under its influence looks like a madman，and exhibits his excitement by dan cing，singing，shouting，and tossing his arms． The Hindoos，some of them，are very fond of it ；particularly peltry－bearers．They say it makes them forget all their pains and fatigue． The name of this hemp，and the preparation ram italso，is＂Bhnm．＂The drug＂hash－ ish＂is made from this hemp，and it has been eared in France for experimental purposes． The peculiar effect of the＂hashish＂is the inversion of the order of time－a mirrute be－ comes an hour，and scenes like those described in the Arabian Nights Entertainments flit be－ fore the mind，with all the wonderful pheno－ mena of genii，fairies，pallaces of gold and silver－the real scenes of＂Alladdin and his Wonderful Lamp．＂A frequent use of the drug is dangerous to sanity and health，as is the use of all unnatural stimulants．In com－ menting upon any subject，authors and edi－ tors should always have a moral in view－to warn where there is danger，to encourage where there is hope．It is a fact that almost every person often craves for some mental sti－ mulant，and，alas！too many are weak enough to indulge in gratifying an appetite which feeds on that which destroys it．He who con－ quers his passions and appetites，and brings them into the subjection of whatsoever is pure and lovely，exhibits a greatness of mind．Re－ gular habits，plain food，cheerful and healthful exercise，the performing of charity and the reading of good authors，will impart a cheer－ fulness of mind and a healthfulness of frame， which no one knoweth but those who follow after these things．

The Woodworth Patent
There is a great excitement throughout our whole country respecting this patent，and the universal expressed opinion is，that it exists now，as an Act of Congress，gained by misre－ presentation－and money on the one hand－ and an easy virtue of members on the other． It is allowed to be an unjust monopoly－that the instrument is held by individuals as a pa－ tent monopoly granted by Congress for an in－ vention of William Woodworth，which he ne－ ver invented，and never pretended to have in－ ented．
In 1828 William Woodworth received a pa－ tent for improvements in Planing Machinery， and after he was dead and in the grave，his son and assignees surrendered the old patent， made out a new specification，and got a re－ issue covering an invention which has been de－ cided by a ．Jury in Baltimore，not to be the same at all，as the invention of the deceased cification．
The most energetic measures have been ta ken in this State to get the patent abolished， and our Legislature has passed resolutions in－ strueting their Members in Congress to search into the matter．In Philadelphia a large meet－ ng was held on the third inst．，and I present ome of the resolutions passe
tate of public opinion there
＂Whereas，from evidence b
＂Whereas，from evidence before your Com－
worth was the inventor of the original patent granted to him in 1828，for a planing ma－ chine，and it is clearly shown that his amend ed specification and claim，on which this pa nt was extended by an act of Congress，is different from the original，and is so formed as to embrace almost unlimited range of machi－ nery，not included in the original patent－con－ sequently this act must have been obtained by misrepresentation．And whereas，the great and extensive demand for such machinery as is embraced under the new claim of 1845，has enabled the owners of this patent to demand normous sums from the variouskinds of me－ chanics using such machinery，which they must pay，or incur the hazard of litigation．－

Resolved，That originators of valuable in－
ventions deserve encouragement and protec－ tion，and nothing so much endangers their se－ curity as fraudulently oltained patents and fre－ quent renewals by Congress through misrepre－

Resolved，That the re－issued patent to the administrators of Wm．Woodworth，combines important improvements，which other mecha－ nics have made in similar machinery，since 1828，and covers principles and combinations never invented or claimed by the original pa－ tentee．That such re－issued patent is in the judgment of this meeting an imposition，and they protest against that renewal being sanc－ tioned by legislative construction．＇
A model was exhibited and some powerful speeches made．
The present patent of Woodworth expires in 1852，and the assignees intent on taking time by the forelock，have lobbied all this Session of Congress to get a renewal of their special Bill for another 7 years to commence after the pre－ sent term will expire．It is likely that instead of a renewal，there will be a repeal，although the majority of the Patent Committee，with a glorious beef soup generosity have recklessly reported a Bill for a renewal－a thing which they had no honest business to do．
Mr．Otis has presented a minority report and made a powerful speech against it．The following is an extract
＂If you pass this bill as reported，Wood－ worth，the elder makes an invention－merito－ rious it may be－secures a patent，sells it out， and dies．His son and admiristrator has it renewed，under the patent law，for seven years and again has it renewed by Congress，four years before the expiration of the first seven， for seven years longer．Six years after the death of the original inventor，he surrenders up his patent as invalid，and takes out a new patent，which is also declared，by a jury to be invalid for claiming what was notclaimed un－ der the first patent．The disappointed litigant comes here and asks you to pass a law for his special benefit，by which he is to obtain a le gislative sanction to his unjust claim．He is not the inventor－his father is not the invent－ or．Congress alone gives him a title to what he was not entitled to without Congressional interposition．Armed with this he goes into Court and defeats his opponent．Armed with this，having his principle and application sanc－ tioned by a law of Congress，he suppresses all other machines，puts his own price for the use of his machines，and thus secures for twenty－ one years，a monopoly worth millions to the possessor．The person who invented this new machinery for cheating his neighbor in Legis－ lature，and for deciding law suits，deserves a patent for his ingenuity in management，if he does not deserve one in mechanics．＂
However flexible some few may be to get he applied for renewal made into a law which should occupy the attention of a sub－ sequent Congress，Mr．Otis shows that the managers of the business＂know their business．＂ Just think of getting a special law passed for a set of generous speculators，four years ahead of the time it went into operation．Was there o corruption，that single view of the case－in the act itself，is a disgraceful one in every sense of the word．In Congress，as in a House of Worship，＂every thing ought to be done in decency and in order，＂but the opposite of this is the true picture in too many instances． New Yoris．


## LIST OF PATENTS CLAIMS

assued from the dnited states patent
office，
for the weeli ending march 26,1850 ， To R．Cook，of Saratoga Springs，N．Y．，for im provement in blast－pipes for conveying heated a and ens to fuace
I do not claim the discovery of this method of creating a partial vacuum or draught through one pipe or aperture，by the varied movement of a fluid in another pipe，with which the first is connected having its mouth or orifice in contact with the fluid in motion； but whatI claim is the application of this meth od of creating such draught or partial vacuum to the return of the smoke and other escaping products of combination to the fire，in order that such of them as are combustibie may be there consumed，the method or means consist－ ing substantially in the manner of employing the blast pipe，inclosing the hot air pipe，as herein set forth．

To G．Fletcher，Sen．，of Greensburg，Ind．，for im
Having thus fully described the nature，con－ struction and operation of my improved Bee hive Cleaner and Protector，what I claim there in as new and desire to secure by Letters Pa tent，is the combination of the fluted roller op erated as described，with the moth entrance o the beehive to act as a moth catcher and killer substantially in the manner and for the pur－ pose described．
To G．Fletoher，Sr．，\＆Turner Barnes，of Green burg，Ind．，for improvements in Seed－planter
I claim，1st，the introduction of a cleaning rod，operated as described，in the hollow share of a seed planter，for the purpose of removing extraneous matters that may have entered the orifice tending to impair or prevent the action of the machine．
To A．Fulton，of Pit
d soft metal packing
I claim the compound metallic packing ring constructed of hard and soft metals substan tially as herein set forth，the hard rings being for the purpose of preventing the substance of the softer from squeezing out around the fol－ lower and flange of the piston．
To G．P．Gordon，of New York，N．Y．，for improve I claim，first，the
I claim，first，the peculiar manner of con－ structing the nippers so that their upper surface shall be even with the surface of the paper， and their inclined or curved surface shall in－ cline away from the surface of said paper．
I also claim an adjustable table，to be ad－ justed to the nippers，being first adjusted to the pipe or formsubstantially as above set forth and described．
I further claim a frisket operated on by the motion of the carriage，so that when the car－ riage goes in with the sheet its forward end shall raise under and support the paper，and （from the upward pressure of the nipper against the platen in giving the impression， grip it firmly and relieve it from the type after the impression is given，and on the receding of the carriage with the printed sheet，its for－ ward end shall lower and allow the said sheet which rests upon it，to slide or fall off into a box or draw placed to receive it，operating substantially as above described．
I further claim the application of the vibra－ tory power to the handle of a distributing roll er，（said handle projecting from the frame o said roller midway from its respective ends，） and not to the end of the roller frame as in general use．

I further claim the combination and arrange－ ment for opening the nippers when the carri－ age moves out with the printed sheet，and closing them just previous to its going in，which combination consists of the horizontal bars or polls，the curved pieces，the lever attached to the shaft，the hub，with its projection，on the main shaft，and the spiral spring，one end of
which is attached to the press frame，the whole 0 which

## To Ira Reynolds，of Wast ovement in Plow and Clevis．

I claim，first，maling th with the triangular shoulders，in combination with the screws，and nut，for binding firmly together the land side，mould board，cutter， and share，as well as securing itself，in the manner hereigfully described．
2nd，I claim the device of fastening the rever－ sible share to the flange on the lower part of sible share to the flange on the lower part
3rd，I claim the inode of employing the inclin－ ed brace rod，in combination with the box plate，cast on the inside of the mould board， for adjusting the beam to take more or less land to act as a substitute for the clevis，and at the same time to brace or stiffen the wood－ work of the plough by attaching it to the cast iron mould board and land side，as described． To F．Searle，of Springfield，Mass．，for improve－ nent in Dental and Surgical Chairs
I claim the application to chairs of the mid－ dle section，substantially as herein described， whether operated by rack and gear，or by lev－ er，or windlass，or screw，at two corners of the chair or at four，or at any intermediate point，provided the same results are obtained by substantially the means herein set forth．

## ToA．N．Severance，of Cherry Valley，Ohio，for

 improvement in Cheese Presses．What I claim is combining with cheese pres es，two beds upon which the cheese is alter－ nately pressed，which revolves together on a horizontal axis，substantially in the manner and for the purpose herein set forth．
To G．Wales，of Liberty N．Y．，for improved method of dressing cut tobacco．
I claim the method of dressing cut tobacco by passing it through a revolving cylinder，hav－ ing holes through it，to sift the short from the long pieces，and with hooks or pegs projecting from its inner surface towards the centre，for lifting the threads of tobacco，as described． To E．Wicke，of Bart Township，Pa．，for improve ment in the Seed Roller of a Seed Planter．
I claim the before described mode of con－ structing the planting cylinder，by which the cavities or cells，in the periphery are enlarg－ ed or diminished simultaneously by simply turning the plate，or other similar device，hav－ ing its sections of male screws on its inner face， and causing said sections to act on all of the radial slides，forming the bottoms of the cavi－ ties at the same time and holding them firmly in the required position，by the thumb screw， or other equivalent mechanical device，substan－ tially as aforesaid，by which like results are pro－ duced．
To N．B．Powers，of Lansingburg，［N．Y．，for im provement in printing Floor Oil Cloth．
I do not claim printing oil floor cloths by means of printing blocks made with pitch pins by hand，on a guage line，as this is the usual mode of printing，but what I do claim is the the employment of the before described com－ bination of the guage，and stops，constructed－ arranged，and operated，in the manner and for the purpose above set forth，for guiding the printing block without the use of pitch pine， during the operation of stamping the colors on the cloth，by which the work is rendered much more accurate，and is executed with greater dispatch，and is not so liable to become blurr－ ed during the operation of handling the blocks， nor of having the colors to over lap，by a mis－ placement of the blocks．
designs．
S．A．House，of Mechanicville，N．Y．，for design for Stoves．
To C．W．Warnick，F．Leibrandt，J．G．Abbott \＆ A．Lawrence，of Philadelphia， Pa ，for design for a Portable Furnace．

For the week ending April 2， 1850. To H．Aiken，of Franklin，N．H．，for clamp to be sed in the manufacture of wrought iron car wheels he above described combined cylindrical clamp， consisting of the following parts，namely the ring，of a shaped section，with handles at－ tached and ring，and screw bolts；applied for the purpose of combining and holding the wroughtiron arms，or spokes，in a true circle， together with the pieces，in the centre to form the hub during the operation of welding the several parts together as above described．
To Wm．C．Allison，of Philadelphia，Pa．，for im－
I claim the separate and independent action，
each upon its own axis，of the 2 upper pulleys whereby the buckets or weights are suffered to pass freely between them without let or hin－ drance．
And in combination therewith，I claim also the swinging of the buckets or weights between the chains so that theyshall always hang down ward in what ever position the parts of the chains to which they are attached may be．
To E．T．Beers，of Honesdale，Pa．，for improvement in Cooking Ranges and heating air．
I do not claim the making of the hot air chamber or radiating pipes，nor furnace and water reservoir individually，but what I do claim is the employment and use of the com－ bination of the furnace and oven in the hot air chamber，with the radiating pipes，flues and dampers，for the purpose substantially as herein above set forth．
To M．H．Collins，of Boston，Mass．，for improve－ nent in Chimney Caps．
What I claim as new is the in jector，in its combination with the cap plate，tube，and frus－ tum，and made statonary against the cap plate all substantially as herein before specified．
And in combination with the cap plate，the frustum，and tube，I claim one or more flat plates or rain fenders，as applied and used sub－ stantially in the manner，as herein before ex－ plained．
To R．W．Davis，of Rogerville，N．Y．，for improve ment in Churns．
I claim the self adjustable float or slat，which opens when churning the cream and closes of itself when the dasher is turned in the oppo－ site direction to gather the butter as before de scribed．

## To W．Davi in Saw Mills．

claim 1st，the combination and arrange ment of the levers，（five）with the catch bar， and cam，and sliding bar，by which the de－ pression of the foot lever is made to actuat the eeveral levers，and the cam，made to lift the lever，and thus operate the turning bar， and with the guage bars，and thus set the $\log$ ， and at the same operation elevate the foot lev－ er and engage the reaching arm，with the rag wheel，to feed the carriage forward as descri－ bed and represented．
2nd，I also claim，the combination of the up－ rightguage turning bars，with the horizontal weighted turning bar，holding bars（two，）and eccentrics，（two）thereon，by which the log is set simultaneously at both ends，and the slides （two，）prevented from moving during the op－ eration of sawing by the holding bars，as de－ scribed and set forth．
3rd，I also claim，the arrangement of the shaft and pinion，for engaging with the rack of the carriage simultaneously with the descent of the foot lever，for winding up a cord and weight，for relieving the tightening lever from the band，and unwinding the same with the ascent of the foot lever，after the setting of the log，and gigging back of the carriage to give motion to the crank shaft，as described and set forth．
To A．Deitz，of New York，N．Y．，for improvement
Harness Hames．
I claim，firstly，curving or inclining forward the upper and lower parts of the back or draw ing surface and the inner projecting edge of the hame，substantially in the manner and for the purpose herein described．
Secondly，the stock of the draught iron for securing the same to the hame by means of the shaft of the breast ring passing through the said stock of the draught iron and riveted to the hame as described．
Thirdly，the hook studs，for receiving the straps which secure the upper ends of the hames together when on the horse，so as to allow the straps to be easly shifted，constructed in the manner described or in any other way substan－ ally the same．
To S．F．Emerson，of Canaan，Ohio，for improved Atmospheric Churn．
I claim the combination of the dasher with the stationary inclined air channels on the churn tub，the two being made arranged，and opera－ ting，substantially as herein set forth．
Steven Everett，of Biddeford，Me．，for improve
I claim the combination of joint
I claim the combination of the jointed rods
rods．
［Tbis，we have been informed，is a real good
volume of the Sci．Am．］
being arranged and operating together substan－
tially in the manner herein beforo setforth and described．
abbreviate．］
Briate．］

I claim the method herein described of pro ducing perfect harmony and coincidence be－ tween the axis of a magnetic needle and the magnetic axis；and also of producing perfect armony between any number of magnetic eedle，wit，removing portions fro pon the upper or lower surface of the needles of the form and in the position substantially filing or for merely by grinding To E．H．Hyde R D． ent in Fountain Pens．

Whe claim is the combination of the purpose of formin whole is constructed，arranged，and combined tantially as herein described．

## in revolving breech fire－arms．

I claim first，the arrangment of the arm， eir equivalents，whereby the motion of hal cocking，and cocking the hammer，is commu y the groove，and 1 close said joint on the discharge of the piece the operation of the hammer，slides，and
 whereby the motion of the barrel sliding for a，is made to revolve the chambers the re ne for the next discharge of the piece，sub tantially as described and shown． To A．Jennings，of Fall
or forming rotary cutters．
I claim the arrangement upon pupet heads having a sliding motion upon a bed plate，of adjustible slides，supporting disks to whichare tached the boxes in which the cutter shaft bolve，the disks being capable by medjating the cutter shafts to any required angle with he purpose of afting the same beth aces of a revolving cutter，substantially as herein described．
To L．Lamborn，of Kennett Square，Pa．，for im bed，by which a separate steel cutter is em braced between the two halves of the tooth re－ ovable at pleasure and by which wedges can applied against the shoulders of the toot inclination of the hare in order to increase or diminish the depth of culture，the tooth turning on the bolt passing through the head of the same and the beam， ooth being secured to the four sided changea le share，by means of screws and nuts or oth equivalent means．
To L．Moore，of Ballston Spa，N．Y．，for improve I claim the foor oil－cloth
the block by which the prin sth oil cloth is performed without moving the stop until the first printing is finished，and dispen－ sing with a second block to cover the parts of the cloth not printed，at the first operation by simple changing the position of the hinged
guages on the block without moving the stops on the bar as above described，thus dispenxing with the second block usually employed．
To S．S．Rembert，of Memphis，Tenn．，for improve in Threshing Harvester

What I claim is the mode of cutting and Wreshing the grain by forcing the same again of the ce，and after being cut，between the teeth or threshing wheel，or shaft or bars or beaters， during the progress of the machine as herein et forth．

