Asthma.-"Whitcomb's Remedy very soon relieved me."-Rev. A. Asthma. - "Whitcomb's
Barber, Walingforad, Conn.

## Queries.

TWe present hereooth a series of inquiries embracing a variety of topics of sreater or less generala interest. The questions are simp
prefer to elicit practical answers from our readers.]
1.-Chewing Gum.-What are the ingredients and the quantity of each used in making rubber chewing gun; and what is the pro-
cessof manufacture? Can ans scientific reader tell me if the saliva, pro duced by chcwing this guin, has any injurious effect on the system? Is as injurious as tobacc
the system ? - C. B. s .
2.-Melting Rcbber.-At what degree of heat will rubber sotten, and how long will a piece of rubber, one inch square, stand
pounding before wearing out? (I allude to suchrubber as is usedfor wagon springs.) Can rubuer be melted and poured. in a liguid form, into a mold What is the process of preparing it for this purpose? ?-C. B. s.
3.-Wire for Electronagnet.-Will some of your cor respondents answer the following question:
winding electromagnets as copper?-C. E S
4.-Rhumiorff Coil.-Can any of your correspondent tell me where I can obtain a Rhumkorf coil, and what will it cost?-C. E.S
j.-Honseshoe Magnet.-If a horseshoe magnet is sus pendec so as to revove freely. will its motion be retarded if the armature e brought near its poles? E.
6.- Electronagnet.-How large an electromagnet is required to produce a spark? -C. E. s.
7.-Slag from Furnaces.-I see by some remarks in the ssue of Septem ber 2a that the slay from blast frurnaces can be used for making blocks.

- E. H. J.
8.-Annealing Cast Iron.-Will some of your readers sive me the process for annealing cast iron?-E. H. J.
9.-Coal Bucket.-I handle 20,000 tuns of coal yearly by steam power. Is there any known substitute for the bucket, and is there
10,-Cheap light.-I work my vessels at night to save demurrage. What is the cheapest mode of obtaining a powerful light, and
11.-Double Activg Ram.-In your paper of September 16th, age 186, under head of •. Fountain." C. H. .of N. ..., speaks of a dou-
ble acting ram. Will he be so kind as to say how it is constructed, or where te a acting ram. .
thermation can be got? -J. M.
12.-Temper of Steel Tools.-I notice in your columns dedicated to "Queries" and "Answers to Correspondents" that the eneneral
belief of experts is that the temper of tools cannot be drawn by immersion belief of experts is that the temper of tools cannot be drawn by ymmersion
in hot water, or by a degree or heat ess than the heat requirea for temper-
 knitting needles is lost after long usage, the said needles being exposed to no greater heat than may be induced by the friction of the needles while
use?-J. H. N.
13.-Bug Destroyer.-I want to know what will destroy red spiders and green bugs or lice on plants.-G. W. B.
14.-Combustion in Boller Furnace.- Will G. A. T., in answer to A. H. G., on combustion in boiler furnace, be more explicit?
Does he put the trree eighth inch pipe around near the walls of the ash pit, Does he put the three eighth inch pipe around near the walls of the ash pit,
and how far below the grate bars, and will it answer equally well for burn-
15.-Paraffin Candles.-In making candles from refined parafin, how can I keep the candles from becoming mottled or speckled?-
J. K. s.
16.-Gas for Toy balloons.--What gas is used for toy balloons, and how is it preparead? What amount of material would be re-
quired for inflating 100 of such balloons?-C. $\mathbf{B} . \mathrm{s}$.
17.-W WLL.-I have a thirty foot well in a sandstone ledge n which the water a portion of the year gets very low. By digging deeper
think a better spring might be reached But 1 wish to save the expense 1 think a better spring miight be reached But 1 wish to save the expense
and trouble or taking own the walls and excavating deeper. Is it feasible
to drive a tube twenty feet, conmenencing at bottom of present well? Will do drive a tube twenty feet, cominencecing at botiom of present well? Will
some one having had experience in drive wells answer through "corres pondence" column?-Des


## Declined.


Boiler Explosions.-D. H. J.
Carpet Probleit-A. D. b.
Explosive Water.-T. w. b.
Friction.-C. m.
Lusus Nature.-J. S. D.
Portable boat.-O
Seasoning Lumber by Dry Steam.-R. G. B.
Watch Opener.-F. G. W
Answers to Correspondents.-F. H. O., Jr.-H. B
Gerent Bmeritan and foreign eqatents.
Under thisheading we shall pubtish
nent home and forean patents. Boxixs for Shoo BLachivg, Poixape, rrc.-This invention consists in
so forming boxes of plate metal by striking up, that they thall not possess
seams or angles for the adherence of the contained material, and have no seams or angles for the adherence of the contained material, and have no
sharp eage atthe mouth to cut the brush ; it provides afoot on which the box may not only be conveniently poised, but Which may be used as a hand
the box. It is the invention of Geifert H . Wetjen, of New York city. Bending Machise for Clips, Schbiard Joints, RaInway Chars,
ert RTC.-A very powerful machine has been inventedrir the above named pur
pose, by Mr. John Forbes, of Halifax, Canada, which evidently is capable o dion a lare amount of excellent work. The nature of the invention for-
dids anything like detailed description in such a n jee as the present. bids anything like detailed description in such an $n$ ice as the present.
The scope of the emachine extenses tom any kinds of work other than those enumerated, and the invention will repay examination by those interested
n machines of this kind. Bed Sprivgs. - Hull Chandiler, of Bennington, Vt.-Semi.elliptic spring are placed upon the frame of the bedstead to support the ends of the slats
The lower end of each spring has a hook, bent down into a recess provide for its recention in the supporting plate. To the upper face of the spring is secured a transverse block, of semicircular form. The slat rests on this
block, and can freely rock thereon, thereby giving more play and greater block, and can freely rock thereon, thereby giving more play and greater
fexibility to the bed bottom. From the block projects a pin through a slot fifxibility to the bed bottom. From the block projects a pin through a slot
of the slat, to

Grain Dryer.-Alfred J. Mason, of New Orleans, La.-To effect his object the inventor makes use of a combination of cold air induction and
exhaust pipes, with a diying cylinder beater. By this combination the grain nay be either heated or cooled, as desired, and, it is claimed, the apparatus s very efflcient for drying and cooling grain, for exp anding and contracting
Gr.ind Binder.-Mr. Oliver Ross, of Bowens Prairie, Iowa, has invented agrain binding apparatus for attachment to reapers. The operator, in using
his device, draws the band across the bundle, and places the end of the band ingrab fingers. He then presses a lever which operates the mechanism
which completes the binding and cuts the band. The invention possesses features of originality upon which eight claims have been allowed in the atent.
PIpe Wrench.-Henry Wilson, of Tarr Farm, Pa.-The lower iaw of this
pipe wrench is rigidily affice to a handle. The other hande pipe wrench is rigidly affxxed to a handle. The other handle is pivoted to
the handle having the fixed jaw, and forked at its upper end. The movable jaw is pivoted to the upper part of the same handle. A pin projects from the sides of the movable jaw through slots in the forked upper part of the
pivoted handle. Whenever the lower end of the other handle is carried toward the handle, its forked upper end will swing the movable jaw with great power toward the fixed jaw for holding a pipe or other thing. Machine for Splitrivg Wood.-David Milliken, of New York city.-
This invention consists in a novel arrangement, with a feeding trough, of This invention consists in a novel arrangement, with a feeding trough, of
splitting axes mounted on swinging arms, which are raised by a revolving wheel and accelerated in their fall by springs, in such manner as to be sim:ar in action to the action of an ax wielded by hand. The invention also
comprises a novel arrangement of apparatus for actuating a pair of feed rolls $y$ one of the ax carrying arms, in such a manner that the feed rollers will no sotuated ir the ax fals of entering the wood far
Sofa Bed.-Julius Werner, of New York cits.-This invention relates to a new sola bed of peculiar construction, which, when contracted, will hardly
be distinguishable from an ordinary plain sofa or lounge, while, when folde apart, it will form a comfortable and large bed. Double jointed head and foot rests hinged to the ends of the sof a back, and a combination of a pivoted seat with a hinged back, frame, and rests in a peculiar manner, are the fea tures of the invention up
Carpentrr's Bench.-Friedrich Starke, of Dayton, Ohio.-Thisinvention has for its object so to apply the vise to a carpenter's bench that it can be set
against the side or end of the table, as may be found most convenient. Carpenters' be
only, or w
several kin several kinds of work to be performed, whilc the latter is too expensive and cumbersome. The present invention consists in swiveling the post in whic the nut of the vise is held to a corner of the bench, so that the entire vise can thereon be tu
convenient.
Recoil Obviator for Ordnance.-Samuel F. Hawley, of Constableville, N. Y.-This invention has for its object to prevent the recoil of cannon and
heavy guns; and consists in the application to their muzzles of counter recoil chambers, which receive the direct concussions of the charges, an thereby counteract the effect of the air rushing into the barrels to fll the
vacuum subsequent to explosion. To the muzzle of a cannon is secured an vacuum subsequent to explosion. To the muzzle of a cannon is secured an
extension which continues the bore of the gun and forms an annular chamber around the bore. This chamber is open at the back, but closed in front sion of the charge which escapes from the vent in rear, while the vacuum created by the explosion is supplied, before the effects of the concussion on
the front of thechamberis spent, through the same vent, thus counteracting the front of thechamber is spent, through the same vent, thus counteracting
the ordinary effect of, and causing the cannon to remain stationary after, an the ordinar
explosion.
Bag Holder.-Oscar Barrett and Azzel D. Brooks. of Dartford, wis. grain, vegetables, or fruit; and consists in the use of a semicircular hoop folded under the rim of the bag, and of three or more forked posts for sup. it, are inclined forward. The three posts arc slightly forked at their uppe ends, so that they can be used to support the semicircular hoop. This hoo
is placed against the mouth of the bag, and the latter then placed over it that when the hoop is placed into the notches or forks of the posts, it wil that when the hoop is placed into the notches or forks of the posts, it wil
aerve to hold the bag in position, as shown. By this device bags can be expe ditiously secured in place, and will be properly held open to be filled. Wagon Seat.-James B. Foote, of Hamden, N.Y.-This invention con
sists in suspending a wagon box seat from springs placed at the top of two standards, on which the said seat slides and by which it is guided. The ord nary square box of a road wagon, with strong wood posts rising up from the
sides, one from each, and supporting a $C$ spring at the upper ends connected by one of its ends, while the other end overhangs the outside and has a rod of iron, a chain and rod depending from it. These rods, which extend down ward about to the top of the box, pass through the seat ends, and hold the
seat by nuts, pins, or india rubber springs and nuts. Inside of the holes seat by nuts, vins, or india rubber springs and nuts. Inside of the holes
through the seat ends or arms for the rods, mortises are provided forthe post, which pass through them and guide the seat in moving up and down and prevent it from swinging. According to one plan the rods wiln have a the short rods and chains are used, the hight of the seat may be varied by
hooking the chain upon the spring, which may have hooks capable of enhooking the chain upon the spring, which may have hooks capable of en
gaging any of the links. Hay and Straw Cutter.- John A. Cornish,Marshfleld, Mo.-This inven-
tion relates to a hay cutter with which is connected a mechanism for keep tion relates to a hay cutter with which is connected a mechanism for keep-
ing the hay always in contact with the feed roller, whether there be more or always at the right moment, by means of a bar rotating in a plane parallel with the axis of the roller and striking the sides of the spiral corrugation one after another.
Automatic Governor Valve.-Joseph B. Potter, Conneautville, Pa.This invention hasfor its object, frrst, to automatically regulate the flow of
steam from a boiler to the steam chest of an engine. in such manner as to reduce the volume of the fiow directly as the pressure in the steam chest steam chest by means of a counter spring, which yields when the flow steam from the steam chest is momentarily checked by the arrival of th slide valve at the center of its throw, and the consequent closiny of both
ports and returna when the slide valve passes to either end of its throw, so as to open one of the ports, and by this alternate yielding and returning mantains a continual osciliation or the gover
constancy of the pressure in the steam chest.
Car Couplivg.-Henry R. Robbins, Baltimore, Ma.-This invention re one dra a car coupling in which a tongue, pivoted in and projecting fro ther drawhead, passes under and raises a pin that extends across said box and passes through slots in the sides of the later, sala tongue being caught
and held in the box by the falling of the aforesaid pin into a groove in the upper side of the tongue, the uncoupling being effected by raising said pin, clear of the groove in said tongue, when the latter may be withdrawn from the box.
Feed Water Heater for Sieam Boilers. - Johu F. Taylor, Charlesprovided with a number of tubes running transversely of it, and fitted crossthe tube sheet of the bile smoke box, in front of and at a short distance from. ducts of combustion in passing from the boiler to the smokestack, whereby the heat thereof is utilized in heating feed water, the chamber receiving water from a feed pump at its bottom and discharging it at its top with the
boiler.
Mole Trap.-G. W. Hardwick, Wyandotte, Ind.-This invention consists a spring fork set over the tunnel in which a mole travels, and provided

Door Fastener.- Warren A. Howard, of Dugway, N. Y.-This invention aplied on the inside of a chamber. It consists in a bar with a claw, having a hole between the prongs thereof, combined with a shoulder, perforated in of a portable door fastening.
Sof a Bed.-Abraham Norris, of New York city.-This is a sofa bed which may be easily folded together to form a sofa, the invention consisting prin bed frame, so that when the seat is turned outward it will at the same time extend the frame to support the outer half of the bed.
Picket Pointrr.-John W. Minor, of Middleborough, Mass.-The picket to be pointed is placed edgewise upon a beam with its end against a head
block. A pivoted lever, carrying a cutter, is then nade to face this cutter through the wood, the cutting being an arc of a circle. The pivot is adjusta-
ble, so as to give blunt or sharp points, and to accord with the width of the icket.
SAFETYATtachment for Watch Chain or Guard.-Charles W. Mehrer,
of New York city.-This is a device for attachment to a watch, to be carried
in the pocket with it for preventine it by means of hooks, trom being icked in the pocket with it for preventing it, by means of hooks, from being picked
out, said hooks being concealed in a case, and being thrust out into the clothing if the chain or guard which is attached to the protector be suddenly jerked.
Treadle Motion.-George K. Proctor, of Salem, Mass.-A double crank,
the wrists of which are placed at right angles, is attached to the fiywheel of a sewing machine or other machine to be driven by the feet. The mode of tachment by means of a recrosseachank, screw threaded hole, and a plate by which the improvement may be readily attached to the fly wheel of differ
ent sizes and forms of machines, constitutes the features of the invention.
Bex Hive.-This hive is the invention of Edward D. Pugh, of Fort Plain Iowa. It provides for frequent and convenient opening and closing to clean it of moth eggs and insects, without disturbing the bees; also for improved ventilation, for the better support of the combs, for the accomodation of
young broods, and other essentials of a frst class hive, the whole evidently young broods, and other essentials of a frst class hive, the whole evidently
being the design of a man thoroughly conversant with the habits of bees and being the design of a man thoroug
the requirements of bee keepers.
Wall Paper Trimaing Macinge. - Mr. Hubert L. Todd, of Corning, N ., has invented a machine for trimming wall paper, the use of which wil obviate the tedious process of shearing of the blank edges by hand as here
tofore done. The cutting is done by circular knives attached to rollers, between which the paper is caused to pass by winding it from one roller to
another, the power being supplied through the medium of a crank attached another, the power being supplied through the $m$
to the journal of one of the knife bearing rollers.
Pot Cover.-Wiliam Henry Barker, of Windsor, Can.-A stamped shec metal pot cover of the ordinary kind, has a number of small holes mad the pot without lifting the cover. A small lid is hinged to the upper side of the pot cover, to fall down over the holes and close them, so as not t allow the steam to escape while it is required that the pot be covered. Pro-
jections enter the pot to hold the cover from falling oft when the pot is tilte jections enter the pot to hold the
to pour off the liquid contents.
Window Screen.- Oscar F. Frost, of Nonmouth, Me.-This is an inprove construction of window screens, to facilitate their insertion in and removal
from the window. It consists in attaching the mosquito bar to the frame or des by a groove and tongue, and in attaching the frame to the window cas screen is readily adjusted to the window and removed therefrom, and, when
not in use, may be rolled up and laid away, taking up but little space and not in use, may be rolled up and laid away, taking up but little space and not liable to be damagea like the common screen.
Burglar Alarm.-Mary A. Holland, of Passaic, N. J.-This invention wates to improvements in the bell sounding and signaling apparatus em ployed with apparatus to be set in motion by the opening of windows or
doors to sound an alarm, or with the bell pulls of hotels for signaling from the different rooms. It consists in an arrangement of apparatus whereby the bell may be sounded from any window without affecting the apparatus
connected with the other windows or doors, or interfering with the efflcient connected with the other windows or doors, or interfering with the efflcient
operation thereof.
Corn harvistri. - This machine, by a variety of ingenious devices, pulls the ears from the standing stalks, husks them and deposits them in a suita-
ble receptacle attached to the machine, which is drawn by horses. The ears are pulled from the stalks by fingers placed at such a distance from each are pulle from the stalks by fingers placed at such a distance from each any of the stalks be drawn from the ground, they are seized by conicalrollers, and pulled down through the fingers to tear of the ears, the latter being which strip off the husks. The machine is the invention of Madison Thorp, hich strip of the husk.
of Waterloo, Iowa. Sewing Machine.-Frederick E. Decker. of Newark, N. J., assignor to Eward $i m o n$ \& Brothers, of New York city.-This invention is a new
mproved attachment to a sewing machine forturning the rough ed ges from the leather covering of round or oval satchel handle stock, at the samc time they are stitched on by the machine, or as they pass from the needle when
being sewed. It consists in a pair of grooved guiding wheels and a pair of rotary cutters, having operating gear arranged to be actuated by a pawl along at the same time that the feed plate of the machine is worked. Such adaptations of the rollers are made as may be requisite for trimming the rough edges from any work done on a sewing machine.
Cotron Chopper, Scraper, and Clltivator.-Frank A. Leonhard, of venient, and effective macliine far for its object to furnish a simple, conon, so constructed that the supporting and cultivating rollers, while supporting the chopper at the proper elevation, shall be capable of adjusting
themselves to any unevenness of the ground laterally. The claims cover an arrangement of rollers and scraper in connection with arms, whereby they are adapted to oscillate, as shown and described; also an arrangement of
two sets of rollers and scrapers, and a vibrating chopper, in connection with two sets of rollers
Grate bar.- Joseph a. Miller, of Providence, r. I.-The object of this invention is to so construct grate bars as to combine strength with lightness of metal, and large area of air space with narrow openings, and allow freebearing bar is counected with end pieces, to the sides of which are attached one or more sections, consisting of three (more or less) independent brackets,
which brackets increase in size and width from the inner to the outer one. The top portion of each bracket is round, with a rib extending down, and diminishing in thickness, so that a great area of air space is allowed beneath freely escape to the ashpit. Instead of casting the sections to the central bar, the sections or the brackets may be cast separately and hooked or at. tached in any manner to the central bar.
Railway Car Truck.-John R. Mestier, of Galveston, Texas.-The car
axlecarriesthe wheels in the ordinary manner. The journal box is made of alves, of which each contains a semi-cylindrical cavity for holding the end
af the axle. Bolts serve to lock the halves of the box of the axle. Boits serve to lock the halves of the box together. Within the halves of the box are placed, in suitable grooves provided for their recep-
tion, twosem -annularplates made of case hardened steel. They embrace a collar, which is placed upon and securely fastened to the axle, and also made of case hatdened steel. The plates constitute a swimming journal for the axle, which, by its collar, has its entire bearing thereon. The collar has
fanges at the ends to embrace the journalfor the purpose of preventing lonitudinal displacement. Each plate is held in place by a screw. The upper reservoir at the upper end for lubricating purposes. The lower screw is fitted through the lower half of the box. A rubber washer is placed upon the axle and crowded, by a spiral spring, against the back of the journalbox
to entirely close the aperture in the same. The rubber prevents dust and to entirely close the aperture in the same. The rubber prevents dust and
impurities from entering the box, and does away with the packing hereto-


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Patent Solfcitors, 3f Park Row, New York.
119,215.-Rock Drill.-C. Bernard, Florida, Mass.
119,216.-STEAM WAGON, ETC.-W. C. Bibb, Madison, Ga. 119,217.-Sewing Machine.-J. L. Borsch, Philad
119,218.-Fire Arm.-A. Burgess, New York city. 119,219.-Locomotive Engine.-W. A. Carns, Malden, Mass 119,20.-Water Wheel.-J. T. Case, Bristol, Conn. 119,221.-Horse Power.-R. J. Cheney, Petaluma, Cal. 119,223.-Shawl Strap.-G. Crouch, Westport, Conn.
$119,224 .-P a p e r ~ P u l p .-A . ~ K . ~ E a t o n, ~ B r o o k l y n, ~ N . Y . ~$ 119,225.-GENERATOR.-J. Eberhardt, Conshohocken, Pa. 119,226.-Ladder Hoor.-S. D. Fish, Schuyler Falls, N.Y. 119,227.-GAs.-T. B. Fogart , Brooklyn, N.Y.
119,228.-FEEDING Machine.-J. C. Gould, OX 119,228.-Feeding Machine.-J. C. Gould, Oxford, N. J 119,229.-SHEARS.-1. Grass, Sandusky, Ohio 119,231.-BHoLr CuTTER.- J. Johnson, Cochransville, Pa 119,201.-BOLT CuTRER.-J. Johnson, Cocher Ros.
119,233.-Truss.-N. Jones, Syracuse, N.Y. Mass.
119,233.-Truss.-N. Jones, Syracuse, N.Y.
119,234.-CRIMPER.-M.R. Lemman,W.A.L.Kirk, Hamilton, O 119,234.-Crimper.-M.R. Lemman,W.A.L.Kirk, Ha
119,2355.-SPINDLE.-T. E. McDonald, Trenton, N. J. 119,236.-Fender.-W. H. Miller, Philadelphia, Pa.
119,237.-Animal Trap.-J. H. Mooney, G. A. Lloyd, San 119,238.-TANNING.-W. Morris, Philadelphia, Pa. 119,239.-Blacking--J. H. Patterson, Glen's Falls, N.Y.
119,240.-BEnding Wood.-S. Patterson Berlin Heights, 119,241.-Grain Binder.-A. Philippi, St. Lous, Mo. 119,243.-Fa ocet.-O. Salgee, Brooklyn, N.Y.

119,244.-Wasirer.-J. H. Schmidt, Stockertown, Pa. 19,245.-Dental Plate.-F. M. Shields, Sacramento, Cal.
119,246.-Sewing Maciine.-D. M. Smyth, Orange, N. J. 119.247.-Piston, etc.-E. Sullivan, Mount Washington, P 119,248.-Packing.-E. Sullivan, Mount Washington, Pa. 119,249.-CAR HEATER.-B. D. Thompson, New York city.
119,250.-DISINFECTANT.-H. A. Tilden, New Lebanon, N. 119,2j0.-Disinfectant.-H. A. Tilden, New Lebanon, N. Y 119,251.-Fishing Rod.-T. Tout, Cambridge, Mass. 119,2i.-Salt.-A. C. Twining, New Haven, Conn 119,253.-Car Spring.-R. Vose, New York city.
$119,254 .-C a r ~ S p r i n g .-R . ~ V o s e, ~ N e w ~ Y o r k ~ c i t y . ~$ $119,2 \pi 5 .-$ Propeller.-H. Waterman, Brooklyin, N. Y.
$119,256 .-R E T U R N$ Bend.-S. L. Wiegand Philadelphia, P 119,200.--Return Bend.-S. L. Wiegand, Philadelphia, Pa. 119,2.58.-Lock SPINDLE.-C. O. Yale, New York city. 119,209.-Molding Pipe.- W. D. Alford, Cuyahoga Falls, $O$ 119,260--Motive Power.- J. N. Bethune, Warrenton, Va 119,261.-Cultivator.-D. Boggs, H. Rohs, Cynthiana, Ky
119,262 .-Game Table.-E. Brunswick, Chicago, Ill. 119,263.-LATci.-C. B. Clark, Buffalo, N.Y.
119,264.-Amalgamation.-A. B. Crosby, Greene, Me.
119,265.-Wrench.-A. Cumberworth, Toronto, Canada. 119,266.-BLIND FASTENER.-G. K. Dearborn, Smithfield, R.I 119,268.-Wardrobe, etc.-O. L. and W. Gardner, Glen 119,269.-LUBRICATOR.-J. Harper, New Haven, Conn. 119,270.-DAMPER-W. B. Hayden, Columbus, Ohio.
119,271.-FASTENER.-A. Haye, Morrisania, N.Y. 119,271.-FASTENER.-A. Haye, Morrisania, N.Y. 119,272.-Flower Pot.-A. D. Judd, New Haven, Conn.
119,273.-Picture Nail.-H. L. Judd, Brooklyn, N. Y. 119,274.-WALS 199,275.-ADJuster--L. B. Lathrop, San José, Cal 119,277.-Loom.-I. Lindsley, Pawtucket, R. I.
119,278.-Loom.-I. Lindsley, Pawtucket, R. I
119,279.-HORSE Power.-J. Marshall, New Orleans, La
119,280 - VISE.-R. Phillips, Bosto 119,280.-V Ise.-R. Phillips, Boston, Mass.
119,281.-Axle Shield.-B. F. Robbins, Harwich, Mass. 119,282.-Polishing.-A. Saffer, New York city 119,283.-Spindle Bearing.-J. H. Sawyer, Lowell, Mass. 119,284.-SEWING MAChine.-A. Shattuck, Buffalo, N. Y.
119,285.-SEEDER, ETc.-W. D. Stroud, Oshkosh, Wis. 119,286.-DIE.-W. Terrell, Ansonia, Conn.
119,287.-DUBRICATOR.-S. Ustick, Philadelphia, Pa. 119,288.-LUBRICATOR.-S. Ustick, Philadelphia, Pa. 119,289.-Wardrobe.-H. Whittemore, Orangetown, N. Y
119,290.-W Ashstand, etc. H.Whittemore, Orangetown, N.Y 119,,291.-Polishing Leather.-L. Wolfson, Boston, Mass. 119,292.-FLAG HALYARD.-W. Albert, Brooklyn, N. Y 119,292.-Flag Halifard.-W. Albert, Brooklyn, N. Y.
119,293.-Handle Strap.-A. Alexandre, New York city.
$119,294 .-L A N D ~ R o l l e r .-W . ~ W . ~ A n d r e w, ~ L a ~ P o r t e, ~ I n d . ~$ 119,293.-HANDLE STkAP.-A. Alexand re, New Y ork city.
$119,294 .-L A N D ~ R o l l e k .-W . ~ W . ~ A n d r e w, ~ L a ~ P o r t e, ~ I n d . ~$ 119,295.-Hub.-S. Atha, West Liberty, Ohio. 119,296.-Whip Stock.-H. W. Avery, Westfield, Mass.
$119,297 .-W$ Wáon Tongue.-C. J. Babcock, Rives, Mich. 119,297.-Wagon Tongue.-C. J. Babcock, Rives, Mic
119,298.-Battery.-L. Bastet, Tarrytown, N. Y. 119,299.-FIxture.-J. E. Baum, Philadelphia, Pa. 119,300.-Wash Boiler.-S. Bennett, Newcastle, Pa.
119,301.-Medical Compound. T. W. Bethel, Brooklyn,N.Y 119,302.-Coupling.-C. Bridgman, St. Cloud, Minn. 119,303.-Cloth Measurer.-T. M. Brintnall, Medina, Ohio 119,304.-Shutter Worker.-A. Brown, Boston, Mass
119,305.-Elevator.-G. W. Brown, New York city. 119,306.-WEDGE.-T. B. Brown, J. N. Dinsmore, Kendall's 119,307.-BAG.-J.M.M.,J. P., S. H. Bryant, Temperanceville,Pa 119,308.-STEAM WAGON.-O. H. Burdett, New Athens, Ohio 119,309.-CARRIaGe bolt.-O. C. Burdict, New Haven,Conn 119,310 .-Generator.-G. F. Burkhardt, Boston, Mass
119,311 .-Clothes Pin.-B. Burling, Whitehall, N. Y. 119,312.-BEDSTEAD.-S. S. Burr, Boston, Mass.
119,313.-Projectile.-J. G. Butler, Fortress Monroe, Va.
119,314.-STEAM PUMP.-L. and T.E. Button, Waterford, N.Y 119,314.-Steam PUMP.-L. and T. E. Button, Waterford, N.Y
119,315.-Governor. H.Camp,G.W.McIntosh, Rouseville,Pa 119,315.-Covernor. H.Camp,G.W. McIntosh, Rousevi.
119,316.-DESK.-W. C. Carter, J. P. Emery, Galva, Ill. 119,316.-DESK-W. C. Carter, J. P. Emery, Galva, Ill.
119,317.-DRILL, ETC.-T. A. Chandler, Rockford, Ill. 119,319.-Hinge.-P. P. Child, St. Louis, Mo.
119,320.-Hay Rake.-A. L. Chubb, Grand Rapids, Mich.
$: 19,321$.-Fixture.-H. Clayton, Lexington, Ky.
119,323.-LIGHTNING ROD.-A. Codington, Bound Brook,N.J. 119,324.-Ice Shaver.-W. H. Collins, Boston, Mass 119,325.-SEED DROPPER.-L. H. Converse, J. K. Welter 119,326.-STRAW CuTTER.-J. A. Cornish, M
119,327.-VISE.-J. W. Coyne, Madrid, N. Y.
119,328.—W ATER W HEEL.J.M.,W.L.Cress,Ta 119,328.-W WTER W HEEL.J.M.,W.L.Cress,Taylorsville,Tenn
119,329.-GAS.-D. Davison, New York city. 119,329.-Gas.-D. Davison, New York city.
119,330.-TorPEDO.-J.C. Dickey, Titusville, 119,331.-CAR SEAT.-A. B. Dinsmore, Springfield, Mass. 119,332.-Slate.-F. D'Ossone, Philadelphia, Pa.
119,334.-Excavator.-J. M. Dunn, Erin, Miss.
119,336.-Bee Hive.-J. C. Edwards, Cattleville, Mo 119,337.-INSECT Trap.-S. Endslow, Blain, Pa
119,338.-Washing Machine. J. P.Eshleman,W 119,339.-Wheelbarrow, etc. H. J.Evans,Christieville,Can
119,340.-FnNning Mill.-F. Eves, Fountain City, Wis. 119,340.-FinNing Mill.-F. Eves, Fountain City
119,341.-Trunk.-H. S. Farley, Sing Sing, N. Y. 119,342.-WATER Closet.-B. G. Fitzhugh, Frederick, Md 119,343.-Stove Grate--C. O. Foley, Troy, N. Y.
119,344.-Seat.-M. T. Glynn, J. L. Goodman, Boston, Mass. 119,345.-Marine Railway.-J. H. Gosline, Hampton, Va. 119,346.-Cotton Press.-G. W. Grader, Memphis, Tenn.
$119,347 .-L a m p ~ P o s t .-J . ~ W . ~ G r a h a m, ~ C h i l l i c o t h e, ~ O h i o . ~$ 119,348.-Trunk.-N. Groel, Newark, N. J.
119,349.-Ventilator.-G.B.Hall,J.Shaffer, Kansas City, M 119,351.-FAN.-W. DeLancey Hall, Memphis, York city 119,352.-TEAPOT, ETc.-H. J. Hammond, Newburgh, Ohio. 119,3j3.-Grading Machine.-J. F. Hanna, Momence, Ill. 119,355.-LANELERN.-J. F. Harly, Kipton, Ohio.
119,355.-HAARTERN.-J. F. Harly, hipton, Ohio. 119,357.-Cartridge Shell.-A. C. Hobbs, Bridgeport, Con $119,358 .-T o y .-E . V$. B. Hoes, Green Bay, Wis.
$119,259 .-C o u p l i n g .-C . ~ L . ~ H o r a c k, ~ H a s t i n g s, ~ M i n n ~$ $119,360 .-L 0 c k$ ing Not.-J. M. Horton, Milwaukee, Wis 119,361.-Clod Breaker, etc.-H. H. Hull, Bergen, N. Y.
119,362.-Motive Power.-J. B. Hunter, Ashley, Ill. 119,363.-Propeller.-H. Jackson, Brooklyn, N. Y. 119,364.- Valve.- J. Jonson, New York city. 119,365.-Meltina Copper.-J. Kintz, West Meriden, Con 119,366.-Bee Hive.-A. H. Klepper, Muscatine, Iowa.
119,367.-Cotton Press.-J. B. Knight, New Orleans, L 119,367.-Cotton Press.-J. B. Knight, New Orleans,
119,368.-Slate Frame.-W. Knight, Covington, Ky.
119369 -119,369.-HARVESTER.-J. Lamburn, Bo. ndary, Ind.
119,370.-HoLD Back.-J. A. Lannert, Cleveland, Ohio 119,371.-Whiffletree.-J. A. Lannert, Cleveland, Ohio 119,372.-Fence.-H. Latshaw, McKnightstown, Pa.

119,373.-Wash Boiter.-G. J. Leach, Rome, N.
119,374.-LLATCH.-J. H. Lee, Marshall, Texas. 119,376.-EARTh Closet.-J.M. Loewenstein, N. Orleans, La 119,378.-_Stor Valve.-H. G. Ludlow, Troy, N. Y.
119,379.-Truss Pad.-J. B. Marsh, Brooklyn, ミ. Y. 119,379.-Truss Pad.-J. B. Marsh, Brooklyn,
119,380.-Elevator.-I. Mayfield, Mayfield, Ky 119,381.-Calender.-W. McAdams, Newton, Mass.
119,382.-Saddle.-W. B. McClure Alevandria V. 119,382.-SADDLE.-W. B. McClure, Alexandria, Va. 119,384.-WRINGER.-C. V. Mead, Trenton, N. J. 119,386.-BUTTER WORKKER.--P.P. Meredith, Steve
119 . Miller, Daleville, Ala.
119,387.-Cinurn-H. H. Montgomery, Greensburg, Ind. 119,388.-Drop Pipe.-G. C. Morgan, Chicago, Ill.
119,389.-Insect Destroyer.-D.G.Mosher, Mosher 119,389.-Insect Destroyer.-D.G.Mosher, Mosherville, Mich
119,390.-Desk-H. Mott, Tro 119,391.-Billiard Cusiion.-J. Murphy, New York city 119,393.-BENDING Wood.-H. Ocorr, Sheboygan, Wis. 119,394-ARTIFICIAL STONE.-J. O•Friel, Brooklyn, N. Y.
119,395.-TOoL HEAD.-S. W. Paine, Williamsport, Pa. 119,395.-Tool Head.-S. W. Paine, Williamsport, Pa.
119,396.-W WShing Machine.-J. H. Palmer. Yonkers, N. Y 119,396.-Washing Machine.-J. H. Palmer, Yonkers, N.
119,397.-Harrow.-D. A. Parkman, Union City, Tenn. 119,399.-WASIIER-H. W Pell Benton, 1 119,400.-EquIPMENTS.-W. W. H. Penrese, Fort Lyon, Col 119,401--Elevator.-F. B. Perkins, Boston, Mass.
119,402.-Nail.-C. H. Perkins, Providence, R. I. 119,403.- Alarm Locir.-C. E. Pierce, New York city.
119,404.-Cultivator.-W. M. Pitts, Holden, Mo 119,404.-Cultivator.-W. M. Pitts, Holden, Mo.
119,405.-Governor.-J. B. Potter, Conneautville, 119,405.-Governor.-J. B. Potter, Conneautville, Pa.
119,406.-'Tempering.-H. H. Ray, Arena, Wis. 119,407.-HEEL.-C. A. Read. Bridgeport, Conn. 119,407.-HEEL-C. A. Read, Bridgeport, Conn.
119,408.-WAGON SEAT.- J. L. Reed, Hastings, Mich. 119,409.-COUPiJNG.-H. R. Robbins, Baltimore, Md. 119,412.-Journal.-J. Sault, South Manchester, Conn 119,413--CEMENT.-D. O. Saylor, Allentown, Pa. 119,415.-Horseshoe.-R. Seiffert, Chicago, I41.
119,417.-Fiftil Wheel, etc.-E. W. Silsby, Ottumwa, Iowa 119,418.-Hoe-Z. B. Sims, Bonham, Tex.
119,419.-Steel Plate.-W.W.,D.D.Skinner,Des Moines,Iowa
119,420.-Wagon Hound.-F.Smith, Tiffin, Ohio 119,420.-Wagon Hound.-F. Smith, Tiffin, Ohio.
119,421.-Gate.-B. Snyder, Clinton, Wis. 119,421.-Gate.-B. Snyder, Clinton, Wis.
119,422.-Burnisiler.-V. K. Spear, Lynn, Mass. 119,422.-Burnisiler.-V. K. Spear, Lynn, Mass.
119,42.-Plow, ETc.-W. W. Spear, Allegheny city, Pa. 119,424.-PLOw, ETC.-W. W. Spear, Allegheny city, Pa.
119,425.-TILER WHEEL, ETC.-J. W. Stetson, Uxbridge, Mass. 119,425.-Tiller, etc.-J. W. Strange, Bangor, Me.
119,426.-Boiler Composition.-C. A. Sweet, Ripon, Wis. 119,427.-Valve.-J. F. Sweet, Cedar Rapids, Iowa.
1199428--Heater.-J. F. Taylor, Charleston, S. C. 119,428.-Heater.-J. F. Taylor, Charleston, S. C.
119,429.-K nob.-N. Thompson, Brooklyn, N. Y. 119,429.-K NOB.-N. Thompson, Brooklyn, N. Y.
119,430.-Pulley, etc.-N. Thompson, Brooklyn, N Y. 119,431.-Coupling.-E. M. Van Hoesen, N. H. Brown, Syra-119,432.- Wase, N. Y. Y 119,433.-Plow.-J. C. Vertrees, (iallatin, Tenn. 119,435.-_Trap.-W. I. Webb, Phila., Pa 119,436.-STILL.-E. Werner, Canton, Ill. 119,437.-Moтion.-H. F. Wheeler, Boston, Mass. 119,438.-Gate.-F. Whitaker, Bel Air, Md. 119,439.-Brusf.-G. Willett, St. Albans, Vt 119,440-BruSif.-G. Willett, St. Albans, Vt.

## REISSUES.

4,567.-Wheel.-J. R. Baird, Vincennes, Ind.-Patent No 4,568.-Stove.-M. A. Boughton, Norwalk, Conn.-Patent 4,569.-AUGER.-J.Swan, Seymour,Conn.-Patent No. 116,509, 4,570.-W WINGER. ${ }^{\text {dated }}$, Wurt. Whitney, Winchendon, Mass.-Pat 4,571.-GLAss MoLD.-W. C. King, Pittsburgh, Pa.-Patent


## DESI NS.

5,270.-Can.-J. J. Bockee, Jr., New York city
5,277.-Cigar Box.-A. Lis, Covington, Ky.
5,278
\& 5,279 .-CARPET Pattern.- W.McCallum,Halifax, Eng 5,280\&5,281.-Carpet Pattern.-D. Paton, New York city 5,282.-Frame for Seat.-H. M. Sherwood, Chicago, Ill. 5,284.-ICE PITCHER.-G. Wilkinson, Providence, R. I. 5,885 \& 5,286 .-Stand.-A. Wunder, New Haven, Conn. 5,287.-Bracket.-A. Wunder, New Haven, Conn.
5,288.-Fastener.-P. Bradford, New Haven, Conn 5,289 \& 5,290 .-OrGAN CASE.-L.K. Fuller,Brattleborough,Vt 5,291.-Trolling Spoon.-J. H. Mann, Syracuse, N. Y. 5,29.--Fruit Box.-J. Sherman, Burlington, N. J. 5,294.-LIFTER.-E. B. Wilbur, Raynham, Mass 5,295.-Door Bolt.-A. Wunder, New Haven, Conn.

## TRADE-MARKS.

446.-Liniment.-W. H. Adams, F. A. Young, Bangor, Me.
448.-Medicine.-Dunn \& Co., London, England
449.-Leathier.-Cagle Works, Chicago, Ill.
$4 \overline{50}$.-Plaster.-C. W. Massonneau, Red Hook, N. Y.
451.-Corn Salve.-J. McKee, New Orleans, La
453.-MEDICINE.-Thompson, Steele \& Price Manufactüring Company, Chicago, Ill.

EXTENSIONS
Elastic Gore Cloth.-C. Winslow, Lynn, Mass.-Letters Cupola and OTHER, Furnaces.-P. W. MacKenzie, Jersey
 Apparatus For
rous, Green Spring, onio.-Letters Patent No. 18, 113 , dated Sep
 dated February 21, 18600
Extension GAs TUBE.
ters Patent No. 18,154 , dated Sentember 8, 1857. Cultivators.-C. H. Sayre, Utica, N. Y.-LLetters Patent No. Separating Ore.-T. J. Chubb, New York city.-Letters Patent No. 18,038, dated August 25, 1857.
Type SETTING AND DISTRIBUTNG MACHINE.-H. W. Alden,
New York city.-Letters Patent No. 18.175, dated September 15

