scribed, all constructed and arranged substantially as and for the purpose herein specified. 71,221.—LAMP EXTINGUISHER.—Fred. Rohrer, San Francis

366

co, Cal I claim a a lamp extinguisher constructed and arranged substantially as de

scribed, as a new article of manufacture. 71,222.—CONSTRUCTION OF CONDUCTOR PIPES.—John C.

71,222.—CONSTRUCTION OF CONDUCTOR PIPES.—John C. Bohrman. Pil adelphia, Pa.
Iclaim a waste wate: pipe having alongitudinal recess or groove, a, made substantially as described, by bending, läpping, and soldering the edges of the plates of which the pipe is composed, for the purpose specified.
71,223.—TRUNK.—E. A. G. HOUISTONE, ROXDURY, Mass. I claim the employment of leather or equivalent flexible material, having its surface formed into alternate parallel 'Ibs and furrows, substantially as shown and described.
Also forming the metal corner of a bag or trunk frame, or molding, of separate pieces of ackle metal, united as set forth.
Also forming the strap to the trunk body by means of a loop, connected with and held by a fastering plate or projections within the trunk, substantially as thor manner of hanging the tray, substantially as shown and described.
71,224.—FIRE FENDER OR GUARD.—Charles H. S. Schultz, Cincinnati, Ohio.

Cincinnati, Ohio. 1 claim, 1st, The provision in a fire guard of the door or flap, B, as and for the purpose set forth. 2c, The arrangement of adjustable hooks, D, with the nuts, E, and clips, F,

for the object explained. 71,325.—BED BOTTOM.—David A. Scott and Jonathan E.

Burdge. Cincinnati, Ohio. We claim passing the rods, E E, transversely through a series of longitudi nai slats, as, and under the arms, c. c. of a like series of springs, for the pur pose of securing the slats in their places, substantially and for the purpose of forth 71.226.

-CONSTRUCTION OF COAL SCUTTLES.—Joseph Scott,

71,226.—CONSTRUCTION OF COAL SCUTTLES.—Joseph Scott, John Scott, and Wm. Miller, Brooklyn. N. Y.
We claim, 1st, A coal scuttle constructed as described, that is, by forming the joint between the body and vottom by flaring the bottom rdge of the body out wardly, and turning or striking up a corresponding flange on the body out wardly, and turning or striking up a corresponding flange on the bottom plate, and then forming a bead with the two together, substantially as shown and described.
2d, in combination with the above joint, we claim the beaded upper edge of the base (0, for attachment in the manner specified.
3d, A coal scuttle constructed subtantially as described, whereby the body and base may be packed in separatenests, to be connected at pleasure, as and tor the purposes set forth.
71,227.—CROSS-CUT SAW.—Alfred M. Seabury, Johnstown, assignor to Charles W. Du Bols, Brooklyn, N. Y.
I claim a cross-cut saw formed with groups of diamond or scoring teeth, c c, and chisel teeth, as and for the purposes specified.
71,228.—CUARRIAGE TOP PROP.—Anson Searls, San Francis-CO, Cal.

71,228.—UARRIAGE TOP PROP.—AISON DEARIS, GAIL FLANCES-co. Cal.
Ickim, Ist, The tubular joint bar standard, B.
2d. The clamp or claw, or cquivalent.
3d. The clamp or claw, or cquivalent.
4d. The clamp, Alding them firmly together and to position.
4d. The clamp, Alding them firmly together and to position.
4d. The clamp, Alding them firmly together and to position.
4d. The combination of the joint bar standard, B, with the clamp, A, in combination with the screw, C, for the purposes substantially as described.
71,229.—MANUFACTURE OF BRICKS, RETORTS, MUFFLES, CRUGBLES, ETC.-Edward L. Seymour, New York city.
1 claim the employment of pulverized enery in combination with any one or more of the materials aforenamed, for the purpose specified.
71,230.—MANUFACTURE OF CAST STEEL.—Edward L. Seymour, New York city.

1,300.—MANUFACTURE OF CAST STEEL.—Dduwitd L. Seymour, New York city.
 I claim, lst. The conversion of the non-magnetic peroxides and carbonates into magnetic oxides of iron, in the manner and for the purposes specified.
 2d, The metallization of iron ores at a red heat, without fusion of the particles, and for the purposes stated.
 3d, The fusion of the metallized matter as described and for the purposes explained in the specification.
 71,231.—APPAKATUS FOR MIXING MORTAR FOR MAKING BUTLEING BLOOKS, ETC.—Join Shelley, Harlem, N. Y.

71,231.—APPANATUS FOR MIXING MORTAR FOR MAKING BUILDING BLOCKS, ETC.—John Shelley, Harlem, N. Y.
I claim, Ist, The etationary hollow pipe, E, passing through the trunnions, bb, and extending longitudinally lirough the center of the cylinder, A, to which the water and steam pipes are both connected, the same being pro-vided with holes or outlets on the under side, as herein described.
2d, In combination with the stationary pipe, E, the arms, i 1 1, and scrap-ers or blades, I I the revolving cylinder, A, operating in the manner as here, in described, for the purpose set forth.
3d The arrangement of the water tanks, G G, the connecting water and steam pipes, H H, with tyler stop cocks, h b, placed at one or at both ends of the deviation to the water tanks, G H, and the mass of the revolving cylinder, so that both steam and water may be alternately in-troduced into the mixture, substantially in the manner as here ins set forth.
71,232.—KITE FRAME.—Josiah thepard, New Britain, Conn. I claim, 1st, A kite frame formed of ribs of tempered steel or metal wires, as get forth.

I claim, let, A kite frame formed of ribs of tempered steel or metal wires, as set forth. 2d, "he saddle piece, a made in the manner as set forth, for receiving the wire robs, as specified. 3d, The tips mais with holes for the cord forming the border of the kite and with holes for receiving the ends of the ribs, as set forth. 71,233.—APPARATUS FOR MANUFACTURING GAS AND OIL

71,233.—APPARATUS FOR MANUFACTURING GAS AND OIL FROM COAL.—John Shoemaker, Putneyville, Pa. Iclaim, Ist, A retor for desilling bituminous coal, adapted for application to an ordinary stove, in combination with a rectifier, B, pipes, G and L, re-ceiver. H, vessel. I, and condenser, K, arranced substantially as set forth. 2d, The combination and arrangement of the retort, A, safety valve, E, rec-tifier, D, constructed as described, with the pipe, G, receiver, H, vessels, I. condenser, K, worm, L, and connected branch pipes, substantially as and for the purpose set forth.
71,234.—PLOW.—Adam Shunk, Sr., Bucyrus, Ohio. I claim, 1st, The construction of land sides of plows with flanges in the form herein described, and for the purposes herein mentioned. 2d, The construction of plow colters with an inwardcurve above that part which cleaves the ground, in the form herem described and for the purposes set berein mentioned.
71,235.—KEY-HOLE GUARD FOR DOOR LOCKS.—Simon Shloss, Florence Veerkam, and Chas. F. Leopold, ftuindelphis Pa.

71,235.—KEY-HOLE GUARD FOR DOOR LOCKS.—Simon Shloss, Florence Veerkam, and Chas. F. Leopold, thindelphia Pa. We claim, ist, A case, A, with its projection, a. cap, B, segmental plate, D, and plece, e, the whole being constructed for attachment to a lock, and for operating substantially as and for the purpose herein set forth. 2d, The combination of the shoulders or stops, e and f, of the case, A, with the lugs, i an f, of the eap, B, for the purpose herein set forth. 3d, The combination, supstantially as described, of the case, B, and its lugs, i and i', with the segmental plate, D, for the purpose herein set forth. 4th, The lugs, i and I', of the cap, B, for guiding the key, F, as set forth. 71,236.—COFFEE-POT.—J. B. Smith, Milwaukee, W is. I claim a coffee-pot, consisting of the innervessel, B, and the ourer vessel, A, with a water space between them, united at their top by an annular plate, having an opening, G, at the rear side only for the introduction of water, 971287.—CUOFFEE-POT.—J. B. Smith Milwaukee Wis

substantially as described. 71,237.—CopFEE-POT.—J. B. Smith, Milwaukee, Wis. I claim, 1st, Shield, H, in combination with double coffeepoid. A and B, and handle, F., nbstantially as and for the purpose described. 2d, Double coffeepoid. A and B, with opening, G, shield, H, and covers, C and E, combined and arranged as described. 71 2000. Buccore University Lovis Smith (assignment to himself

5th. The silding dead plate or front bearer to the grate, in combination with the grate and downwardpassage, substantially as described. 6th. The combination of the corrugated bottom plate of the flue passage from the fre-pot to the chimney, with the air heating tubes which pass through said passage, which tubes are arranged in rows, and joined to the corrugated plate upon the ridges or V-parts of said plate, which project up into the flue passage, whereby the shear or other solid matter coming from the fire-pot is prevented from accumulating between the tubes of each row, and forced to accumulate in the grooves or depressed portion of the corru-gated bottom plate. between the several rows of tubes, thus affording facility for cleaning the bottom plate and increasing the heating surface, substan-tially as described. "the, in combination with the flue passage, p, and vertical air heating tubes, the cleaning passage leading from the rear of said flue passage, of the full width thericof, to and through the rear wall surrounding the furnace, substantially as and for the purposes described. "Sth, in combination of the flue passage, increasing in depth, with air heating tubes increasing in length, in profortion to their distance from the fre-pot, whereby greater (u-miar air heating surface is obtained to compen-sate for dinmished neart, substantially as described. "Sth, In combination with the flue passage and vertical air heating tubes, the two connecting flueswite (connect said flue passage on opposite sides, and near the bottom thereof, substantially as described. "1,245.—ORGAN BELLOWS.—Elihu H, Thomes, Jr. (assignor

opposite sides, and near the bottom thereof, substantially as described. 71,245.—ORGAN BELLOWS.—Elihu H, Thomes, Jr. (assignor to J. Estey & Co.), Brattleboro, Vt. 1 claim the combination and arrangement of the sector and its hinge, with the stran, the pedal, the bellows, and its operative spring, the whole being substantially as specified. 71,246.—ABDOMINAL SUPPORTER.—Jared Thompson, Mil-wankee Wis

The set all the post of the parts of the purpose set forth.
The addominal pad, e, provided with a spring case, b, and its set-screw, d, the the supporting wire, c, provided with appring case, b, and its set-screw, d, the process and the the support of the purpose set forth.
The addominal pad, e, provided with appring case, b, and the pessary, a, when constructed and arranged as set forth.
Tabso claim the attaching to the bar above described, two springs, for the purpose and in the manner substantially as above set forth.
TAGE (assignment of the bar above described, two springs, for the purpose and in the manner substantially as above set forth.
TAGE (assignment of the bar above described, two springs, for the purpose and in the manner substantially as above set forth.
TAGE (assignment of the bar above described, two springs, for the purpose and in the manner substantially as above set forth.
Tabso (assignment of the bar above described, two springs, for the purpose and in the manner substantially as and for the purpose described.
Tabso (assignment of the set of the bar above described).
Tabso (assignment of the purpose set forth.
Tabso (assignment of the wick, w X, consisting of a supply wick, combined with two or more combustion wicks, by means of a braided or other covering, substantially as and for the purposes set forth.
Ath Arranzing the combination wick, w X, and the wick tube, A, substantially as and for the purposes est forth.
Ath Arranzing the combination wick w as to leave a space, s, between the two of the supply wick and the top of the forth purposes est forth.
Ath Arranzing the combination wick w as to leave a space, s, between the day of the supply wick and the top of the purpose set forth.
Tabso (as and for the purpose set forth.
Ath Arranzing the combination of the purpose set forth.
The snow plow, consisting of the forth claim, ist, the double

forth. sth, Also, a combination of a laterally adjustable lifting-arm, h, and an elevated tork, n, pivoted thereto, substantially as and for the purposes set foth.

elevated fork, n, pivoted thereto, substantially as and for the purposes set forth.
9th, Also, the combination of a laterally adjustable lifting-arm, h, and a vertically adjusting arm, i, attached thereto, and supporting the fork, n, substantially as and for the purposes set forth.
10th, Also, an elevating f'rk, n, as connected to its lifting-arm, h, that it may be readily detached therefrom, for the purpose of unloading the hay, substantially as described.
11th, Also, the combination of the forked arm, 5, block or plate, o, and nuts, 7, substantially as described.
12th, Also, the combination of the notched sliding bar, r, tines, n, guides and pawi, s, substantially as described.
13th, Also, the automatic riping device, v, consisting of the arm, v, on the lifting-arm, h, and the pivoted pawi-lever, s, on the pivoted fork, n arranged and operated substantially as described.
71, 251.— WATER GRATE FOR FURNACES.—Robert L. Walker, Globe Village, Mass.

[71,251.—WATER GRATE FOR FURNACES.—ROUERT L. WAINCI, Globe Village, Mass. I claim a water grate, made with the passage into and through its middle bar, and with the two serpentinepassages, a a, leading from one end of such bar in opposite directions, and through the other bars, as specified. Also, a water grate, as made not only with the passage into and through its middle bar, and with two serpentine passages, a a, leading from one end of such bar in opposite directions, through the other bars, but with a common transverse passage, e, provided with a discharge opening, i, as described. 71,252.—ENVELOPE MACHINE.—Thomas V. Waymoth, New Vorte star.

21,576.—LAMP.—Rufus Spaulding: Merrill and William Carleton, Boston, Mass, assignees of Christian Reichmann, Philadetphia, Pa., ated Sept. 21,1855. Application for reissue received and filed Oct. 11, 1567.
1at, We claim a lamp burner in which the parts are arranged substantially as described so as to allow the light to pass out or be reflected from beneath or from the under side of dome or reflector, substantially as set forth.
21, A lamp burner in which the deflector and other parts condiguous to or adjuining the flame are raised above and removed from contact with the base of the burner, substantially as and for the purposes herein apecificd.
3d, In combination with thelamp the slotted open dome or deflector when so constructed, arranged and operating as to allow the light to be deflected downward, substantially in the manner and for the purpose aerein set forth and explained.
4th, Twe combination of the deflector and other parts conditions the deflector of a delector drom or applied to the wick tube, as and for the purpose aerein set forth and explained.
5th, A deflector or dome construct das herein described, that is to say, provided at its base with a series of peripheral springs for steadying and supporting the light to both the dome or deflector of a series of arms projecting the light both the said deflector of a series of arms projecting the said chere parts or the light both the source of the lamp chimney and the springs by which thesaid deflector of a series of arms projecting to have only in the the add deflector of a series of arms projecting by which thesaid deflector and arganged as herein described so as to constitute both the seat or rest for the lamp chimney and the springs by which thesaid deflector and arganged as herein described so as to constitute both the seat or rest for the lamp chimney and the springs by which thesaid deflector and arganged as herein described so as to constitute both the seat or rest for the lamp chimney and the s 71,252.—ENVELOPE MACHINE.—Thomas v. vraymoun, item York city.
I claim, ist, Attaching the wing used for folding the seal flap of envelopes to the machine or frome at a lower level than the npper surface of the bottom of the folding press, for the purpose set forth.
2d, ⁵O arranging the front wing a, called the scal-dap wing, in combination with folding press, by means of the adjustable stop, for any suitable device, that such wing can be turned upon the press at different angles, or can stand vertical v, as desired.
3d, The arrangement and combination, substantially as described, with the plunger, B, and folding press, C, of the projecting lines, m, and grooves, I o, for the purpose set forth.
71,253.—GrAATE.—Marsha'l D. Wellman, Allegheny City, Pa. I claim the agitators, C, constructed as described, and secured between the secured. He as the secured between the secu

olis, Minn. Dated July9, 1867. Application for release roter, of an application of a quick match, or its equivalent, which will take fire at a low temperature to an apparatus for extinguishing fires by the infection upon the same of a gaseous or a liquid non-supporter of combustion, substantially as described. 2d, Preparing the ends of the quick matches with a composition composed of the within-described ingredients mixed together in about the proportions set forth. 45 290 — HEATING APPARATUS. — Thomas S. Clogston, Boston,

I claim the agitators, C C, constructed as described and secured between the spaces in the grate, B, with its projections, e, the whole being con structed and operating in the manner substantially as and for the purpose

-TRUNK HINGE .- Lucius Wheaton, Auburn, N. Y. I claim the upper part, A, provided with slot, e, in combination with lower part, B, when both are constructed and hinged, substantially in the manner

part, B, when both are constructed and hinged, substantially in the manner specified. 71,255.—HARVESTER.—Wm. N. Whiteley, Springfield, O. I claim, 1st, A projecting stop-pin, H, or its equivalent, on the bitman, which, when folding the cutter-bar, will come in contact with a stationary part of the guide-bar or shoe, and prevent the knife from running out of the shoe, as set forth. 2d, A plate, J, secured at one end to the pitman, and placed between the under and jam-nuts on a clamping bolt, as and for the purposes described and set forth. 3d, In combination with the pitman, A, of a harvesting machine, the solid riog head, L, as and for the purpose described. 71,253.—MANUFACTUBE OF PHOSPHATE OF SODA AND OTHER PROPUTS.—Chailes P. Williams (assignor to himself and George T. Lew-is), Philadelphia, Pa. I claim the art or manufacture of the phosphate of soda and other phos-phates by the process or method herein shown and described. 71,257.—HARVESTER GUARD FINGER.—William A. Wood, Hoosick Falls, N. Y.

3d, Also, the arrangement and combination of bars, K and L, fulcrum-piece 1', connecting rod, M, for holding propelling rope firmly against groove of

[December 7, 1867.

wheel. 4th, Also, a succession of endless ropes for propelling street cars. 5th, Also, the combination gear apparatus, O P Q Q Q', as described, for attaching and detaching cars trom the propelling ropes. 6th, The arrangement and combination of wheel, S, and band, T, as described and for the purposes set forth. 7th, Also, supporting the rails of the track by means of truss rods, S, sub-stantially as set forth, but I do not claim the truss rods except as a support for the rails of an elevated railway.

tor the rails of an elevated railway. 2,800.—HARVESTER RAKE.—Chas. F. Davis, Auburn, N. Y. I claim the combination of a stop lever, L, controlled by the driver, with the hinged rake head, and so arranged that the driver can, at pleasure, by moving the stop lever out or in, change the heads from rakes to beaters, and from beaters to rakes, for the purpose of controlling the size of the gavels, substantially as set forth. Also, in combination with the rake head of a combined rake and reel that is thrown out of action by the operator riding on the machine, a mechanism by which it is automatically thrown again into action, substantially as de-scribed and represented.

2,801.—SEALING PRESER E CANS.—Henry S. Fisher, New-

(2,001.—SEALING FRESER E CANS.—Itelify S. FISHEF, Newburg, Pa. I clasm, lat, A self-adhesive seal which is prepared either in theform of a sheet, rigg, disk, or piece of any required size or shape, and composed of paper which is thoroughly saturated and coated on its surface with a cenent composed of the within-described substances, or the respective equivalents thereof, substantially as described and for the purpose specified. 2d, A self-adhesive seal, which is composed of paper thoroughly saturated and coated with a rosin cement, and afterward subjected to considerable pressure, so as to adapt the seal for hermetically closing preserving vessels, substantially as described. 3d, A seal which is composed of paper and cement, in combination with a compressing and resting device, C, or its equivalent, substantially as and tor the purposes described. 28,02 — STUMP FYTPACTOR — Issae. Hicks Hartford Wis

2.802

2802.—STUMP EXTRACTOR.—Isaac Hicks, Hartford, Wis. 1 claim, let, Shaft, B, pulley, C, bar, E, with its hanging fulcrum, ropes, or hains, D D, strap, F, and band, I, in combination, substantially as described. 2d, frames, J, and wheels, o, in combination, substantially as described. 2,803.-MACHINE FOR CUTTING PAPER.-Hervey Law, Chat-

m. N. J

ham, N. J. I claim the combination of the rising and falling platform. C, and clamp frame, E, operating to clamp the paper or book as the platform rises, and to anclamp the same as the platform descends, by means of single or double came or toggles, F. F, having crank., G. G, connected with them, the pintles of which work in curved grooves, or otherwise actnated by any well-known and mechanical device, substantially as and for the purpose herein shown and teseribed. and mee

described. 2,804.—HAND TRUCK.—P. H. Humes, Watson's Salt Creek, 111., assignor to William C. Rentgen, Keokuk, Iowa. I claim the curved parts or ends, as, of the truck, with or without the aux-iliary wheels, b, in combination with the curved removable holding and stop bar, D, made either of a single piece or divided at its extremity, substan-tially as and for the purpose set forth.

DESIGNS.

2,831.—PRINTER'S TYPE.—David Bruce, Brooklyn, assignor to David Wolfe Bruce, New York city.

2,832.—PRINTEER'S TYPE.—Julius Herriet (assignor to David Wolfe Bruce), New York city.

2,833.--ORNAMENTAL TYPE.-Edwin Charles Ruthven, Phil-delphia, Pa.

2,834.-TRDE MARK.-Joseph Scholfield, Constantine, Mich. 2.835.—SATCHEL.—R. M. Seldis, New York city.

2,836.—SEWING MACHINE.—W. G. Wilson, Cleveland, Ohio. PENDING APPLICATIONS FOR REISSUES.

Application has been made to the Commissioner of Patents for the Reissue of the following Patents, with new claims as subjoined. Parties who desire to oppose the grant of any of these reissues should immediately address MUNN & Co., 37 Park Row, N. Y.

21,576 -LAMP.-Rufus Spaulding Merrill and William Carle-

498.—FIRE ANNIHILATOR.—Charles T. Jerome, Minneap-olis, Minn. Dated July9, 1867. Application for reissue received and filed

set forth. 45,389.—HEATING APPARATUS.—Thomas S. Clogston, Boston, Mass. Dated Dec. 13, 1864. Application for reissue received and filed Oct 81 1867.

Mass. Dated Dec. 15, 1562. Application for reissue received and ned Oct. 31, 1867. I claim the application and use for heating purposes of one or more tubes having a corregated or annular ribbed surface in combination with a boiler or other suitable steam generator and pipes for conducting the steam or hot water from said generator to the corrugated tubes, essentially as herein shown and described.

2d, Double coffee pot, A and B, with opening, G, shielu, H, and covers, C and E. combined and arranged as described.	part of the guide-bar or shoe, and prevent the knifefrom running out of the	water from said generator to the corrugated tubes, essentially as herein shown and described.
71.238.—BROOM HEAD.—Levi S. Smith (assignor to himself	shoe, as set forth.	18.175.—TYPE SETTING AND DISTRIBUTING MACHINE -The
and Joseph V. Winemiller), Gorsuch's Mills, Md. I claim the cap or socket, A, in combination with the links, G G, cross head, H, and screw, B, substantially as described for the purpose set forth.	under and jam-nuts on a clamping bolt, as and for the purposes described	Alden Type Setting and Distributing Company (assignces by mesne as- signments of Thmothy Alden), New York city. Dated Sept. 13, 1357. Ap- plication for rulesue received and filed Nov. 8, 1867.
head. H. and screw, B. substantially as described for the purpose set forth.	and set forth. 3d, In combination with the pitman, A, of a harvesting machine, the solid ring head, L, as and for the purpose described.	signments of Ilmothy Alden), New York city. Dated Sept. 15, 1857. Ap- plication for release received and filed Nov. 8, 1867.
And, in combination with the links, the clamping blocks and screws.	ring nead, L, as and for the purpose described.	1st, We slaim the revolving carrier wheel, J, provided with suitable con- veyors or gripping devices capable of taking hold of a type and carrying
71,239.—SEALING FRUIT CANS.—Charles F. Spencer, Roches- ter, N. Y.	71,253	the same from one channel to another, substantially as set forth.
I claim the combination of the lead or equivalent seal with the counter-	is), Philadelphia, Pa.	the same from one channel to another, substantially as set for th. 2d, The method substantially as described for conveying the type to and
sunk or depressed seat as and for the purpose set forth. 71,340VEHICLESStephen J. Spencer, Yorkshire, N. Y.	I claim the art or manufacture of the phosphate of soda and other phos- phates by the process or method herein shown and described.	from the type cases and the composing and setting tables consisting of a type carrier in combination with a series of conveyors which are capable of re-
I claim plates, D D, secured to the bottom of the box or body, and the	71.257HARVESTER GUARD FINGERWilliam A. Wood.	celving any type indiscriminately and also of receiving an indication repre- senting the type so received or that required whereby that type may be de-
rods E L, connected to the upper portion of the springs, when used sub-	HOOSICK Falls, N. Y.	posited into or taken from the type case, substantially as set forth. 8d, The ring, f4, supported by suitable bearers or friction rollers in combi-
staphally as and for the purpose set forth. 71,241.—CAR AXLE BOX.—T. B. Stewart, Wethersfield, Conn.	I claim, 1st, Inserting in the main body of a guard finger for a harvesting machine a piece of metal, harder than the main body of the guard-finger.	3d, The ring, f4, supported by suitable bearers or friction rollers in combi- nation with the carrier wheel, J, and stationary shaft, k9, substantially as
I claim, 1st, The combination of the tubes, B and C, with flapges, a and b,	when the piece so inserted shall form the enteing guard cap, and also a com-	and for the purpose described
I claim, 1st, The combination of the tubes, B and C, with flarges, a and b, arringed upon the box and wheel, substantially as herein shown. 2d, The crescert, shaped saddles, f, having theons, g g g, upon their outer surfaces, and cavities, h h h, on their inner surfaces, arranged substantially	plete lining to the cutting cavity through which the cutters vibrate. 2d, Constructing a guard finger with lips, h h, in combination with the har- dened plece, is, or their equivalents, substantially as and for the purpose set	4th, The Merchardescribed any equivalent method of attaching the con- veyors to the carrier wheel by which they are permitted to stop while de- livering or receiving type without arresting the motion of said carrier, sub-
surfaces, and cavities, h h h, on their inner surfaces, arranged substantially	dened piece, B, or their equivalents, substantially as and for the purpose set forth.	livering or receiving type without arresting the motion of said carrier, sub- stantially as set forth.
as shown. 71,242.—LAMP.— Cornelius St. John, Charlestown, Mass.	71,258.—SLEEPING CAR.—Jonah Woodruff, Pittsburgh, Pa.	5th Giving to the grinDing end of the conveyer a motion from and toward
I claim the combination, with the base and wick tube of a lamp burner, of	I claim, 1st, A double couch or berth for the upper tier in a sleeping car.	the center of the carrier wheel whereby said gripping end is made to closely approach the place at which the conveyer is to receive or deposit a type for
the cylindrical chimney-rest and supporter, A, of wood, or other suitable material which is a non:conductor of heat, substantially in the manner and	consisting of two leaves so hinged together that the outer leat folds upward, and the inner leat, being attached to the side of the car by hangers, c. so	
for the purpose herein shown and specified.	that the couch thus formed may be folded and swung up toward the roof of	sh, the mechanism for shirt shows a substantialy as uccelled, sh, the mechanism for shirt shows a consisting of the projection or hp gs, and bolt, o, substantially as set forth. Th, The foot, gs, on the conveyers for supporting the type, substantially
for the purpose herein shown and specified. Also, the combination, with the wick tube and base of the burner, of the	and the inner leat, being attached to the side of the car by hangers, e.e., so that the couch thus formed may be folded and swung up toward the roof of the car, substantally as hereinbefore described. 2d A detached and removable partition, m, when so constructed as to di-	7th, The foot, g5, on the conveyers for supporting the type, substantially as described.
chimney-rest, A, deflector, e, and perforated plates, by which said chimney- rest and deflector are supported and held in position with relation to the	vide the space occupied by the berths of a sleeping car into separate com- partments at night, and to be removable by dayso as to permit the free pass-	8th, The cam, u5, and lever, t5, whereby the gripping bolt. o. is withdrawn
wick tube, substantially as hereir shown and set forth. Also, the adjustable spring, app led to the side of the burner, for sustaining	age of air through the car substantially as and for the purposes hereinbefore	"Sth., The cam., u5, and lever, t5, whereby the gripping bolt, o, is withdrawn and made to release the type, substantially as described. but, The jatch, v5, and notch, x5, in the bolt, o, to retain said bolt open,
	set forth. 71.259.—MACHINE FOR CUTTING AND PUNCHING FLYNET	
Also, the peculiar arrangement and application of the wick elevating shafts, ik. essentially us herein shown and described, and productive of ad-	Supape _Josigh Vegger Berryshurg Pa	10th, The pin, y6, on the carrying wheel to throw back the latch and re- lease the bolt, o, substantially as described.
vantages as explained.	I claim, ist, The construction of the knives or cutters, e, with the inclined cuting edge, substantially as described. 2d, The adjustment of the cutter bit or stock, by means of the lever, as de-	lith, The pusher, be, on the conveyer to discharge the type from the gripper, substantially as set forth. 12th, The cam, di, on the carrier wheel, J_i to give motion to the pusher.
71,243MAC INE FOR HEADING BOLTSWilber Swathel	2d, The adjustment of the cutter bit or stock, by means of the lever, as de-	12th, The cam, d6, on the carrier wheel, J, to give motion to the pusher,
(assignor to W. J. Clark, H. H. Clark, and C. H. Clark), Southington, Conn.	scribed. 3d, The manner of securing the knives and spacing keys by means of set	b 6, on the conveyers, substantially as described. 18th, The lever, u6, secured to a stationary fulcrum to give motion to the
I claim, 1st, In bolt machines, the two independent clappers G and L, and the two separate projections, B1 B2, on the shaft, B, and the wedge piece, E,	screws and wedges, as described.	pusher, z5, of the setting conveyers, substantially as set forth.
arranged as represented, so as to operate relatively to each other and to the	4th, The two punches, f f, arranged in the bit or stock. and secure a therein by set screw, as described, for punching the holes in the strap in pairs, as set	pusher, z5, of the setting conveyers, substantially as set forth. It, The springs, 15, having the don ble function of thrusting the conveyers out and forcing them in, substantially as described.
header and moving die, substantially as and for the purposes herein set forth.	forth. 5th, The metal bed plate, F, adapted to receive the perforated guides for varioussized straps, substantially as and for the purpose set forth.	15, The projecting piece, g6, on the conveyers and the stationary hooks, x
2d. Holding the header and slide, K, forward, while the clapper, L, rises.	varioussized straps, substantially as and for the purpose set forth.	as set forth.
by the catch, M, or its equivalent, arranged and operating substantially in the manner and for the purpose herein specified.	71,260.—GRATE, FIREPLACE, AND FURNACE.—Wm. Young,	16th. The adjustable indicator points, o5, on the conveyers, substantially as and for the purpose described.
71,244.—Air HEATING FURNACE.—John M. Thatcher, Ber-	London, England.	17th, The bar, n6, came, 16, and spring, 06, for carrying the conveyers to the forward co ds of their slots, substantially as described.
gen. N. J.	I claim the application to grates, fireplaces, and furnaces, of spiral bars, adapted for the double purpose of feeding and raising the fuel to the fire, and admitting air to the fuel, as described.	18th. The type cases or channels, K, arranged both to receive type from
I claim, ist. In combination with the fire-pot, a central feeding funnel, in the form of two hollow inustra, of cones, united together at their smallest	admitting air to the fuel, as described.	and discharge it to the conveyers, substantially as described.
onde substannally as described.		19th, in combination with the devices or mechanism for receiving the types into and for delivering them from the type cases, we claim arranging
2d, The clinker cleaning passare, from and through the furnace front, to and into the in-e-pot, inclosed by the plate connected with the fire-pot, fur-	REISSUES.	the types edgewise in said cases whereby for all the types of a font an un- form throw or action may be given to said mechanism.
and also the hope in the social to prevent communication with the hot air chamber, surrounding the fire pot, substantially as described. 3d. In combination with the clinker cleaning passage, the downward pas-	2,799ELEVATED RAILWAYP. Andrew, Cincinnati, Ohio.	20th, In combination with the type channels or cases the mechanism for pushing out the type consisting of the rack, pendulum lever, and propelling
3d. In combination with the clinker cleaning passage, the downward pas-	I claim, 1st The construction and arrangement of a quadruple track upon a	rod, and the pusher upon the conveyers, or any equivalent thereof, as de-
sage leading there rom to the ash pit, substantially as described. the in combination with the ash pit, grate, and down ward passage, leading	single row of pillars, provided with cross arms for suspending and support- ing the track, substantially as set 10rth.	scribed. 21st, in combination with the type channels the mechanism for preventing
the multiple of the manual massage way, and submit in the submit a submit of the submi	2d, Also, the arrangement of the guide rails, E E, to obviate the necessity	the stopping of a setting conveyor at a type channel when it is empty or a
rated bottom, extending for ward of the grate bars, and across underneath sid downward passage, substantially as described.	of using flanges on the car Wheels, and to prevent the cars being thrown from the track, in the manner and for the purpose herein set forth.	distributing conveyer at a channel when full of type consisting of the tilting bar, s7, the pendulum lever and rack, or equivalents, as described.

22d, The rim, m7, tolift thepawl, n7, clear of the ratchet, 17, substantially as set forth. 23d, The excavated ring m5 in combination with the

as set forth. 23d. The excavated ring, m5, in combination with the conveyers and type channels, substantially as and for the purpose described. 24th, The stationary inclined pleces, g7, in combination with the grooves of the ring, m5, for restoring the indicating points upon the conveyer to a zero or starting point, as set forth. 25th, the movable indicators, e7, in combination with the grooves in the ring, m5, and with the shifting bars of the distributing mechanism, substan-tially as described.

of the ring, mix for resorting the indicating points upon the conveyer to a zero or starting point as set forth. 25th, the movable indicators, cf. in combination with the grooves in the rint, mix, and with the shifting bars of the distributing mechanism, substan-tially as described. 37th. The channel of excess, Q, in addition to the regular type cases, k, and in combination with the conveyers, d, substantially as and for the purpose efforth. 27th The channel of excess, Q, in addition to the regular type cases, k, and in combination with the conveyers, d, substantially as and for the purpose described. 27th The mechanism for iceding up the line of type consisting-of the cam, with yea and for the purpose described. 28th, The mechanism for iceding up the line of type consisting-of the cam, with the the hannel, a substantially as each forth. 28th, The mechanism for iceding up the column of type and for elevating the successive lines thereof into the channel, substantially as described. 38th, The method of engaging and disenzaging the feeding pawls consisting of the hanring lever, a3, in combination with the frame, H, with the means for depressing the bolt, d3, and with the ratchet having the top line free of obstruction, substantially as set forth. 38th, The movable plate, d2, in the channel, a, to allow of raising the top line free of obstruction, substantially as set forth. 38th, The anonable trame, y3, carrying the type levers, z3, in combination with the graduated ston, c4, substantially as and for the purpose described. 38th, The lever, i, and apring for the purp down of the buttom of the channel, a. 38th, the having a set forth. 38th, the harmer, ad, to the epi cleve, z3, with the distributing convey-ers, substantially as set forth. 38th, the lawer end, c4, substantially as and for the purpose described. 38th, the lawer end, c4, substantially as and for the purpose described. 38th, the lawer end, c4, substantially as a described. 38th, the lawer end, c4, substantially as the throw of the c

44th, The stationary cam, s10, for returning the pins, o9, substantially as set forth 45th, The radiating revolving levers, h9, in combination with the register wheel and with the keys, substantially as described. 46th, The mechanism for transmitting the indications from the register consisting of the detaining levers, k0, in combination with the setting indi-cators and with the register, substantially as described. 47th, The springs g00, and lever, i0, in combination with the indicator bars, f0, and with the register and carrier wheel whereby the indicator bars are caused to act on the setting conveyers and dimediately thereafter made to retreat previous to the passage of a distributing conveyer, substantially as set forti. 48th, The toe, c0, in combination with the radiating revolving frame, j9, stoppawl, d0, and register wheel, R. substantially as and for the purped described.

aescribed.
28,105 — BASKET. — The American Basket Company, New Bittain, Conn., assignees by mesne assignments of Jesse K. Park, Marboro, N. Y. Dated May 1,1860. Application for reissue received and filed Oct. 31, 1867.
I claim the construction of the uprights for the sides of a basket and the bottom thereof of thin laminae of wood secured crosswise and Matwise to each other without interweaving so that there are two thicknesses of the material in the bottom and a single thickness in the uprights, substantially as before set forth.

as before set forth. Also the combination of the said laminae attached crosswise and flatwise without interweaving with a connection at their ends, substantially as before set forth. Also the combination of the said laminae (attached crosswise and flatwise without interweaving), with a connection at their ends and with filling in-serted between the bottom and the ends of the uprights, substantially as be-fore set forth.

Also the compound metal and wood basket rim with the wood at interior, ubstantially as before set forth.

Also the compound metal and wood basket rim with the wood at interior, substantially as before set forth.
39,582.—COAL STOVE.—Dennis G. Littlefied. Albany, N. Y Dated Aug. 18, 1863. Reissne No, 1894. Dated Dec. 22, 1863. Application for reissne received and flied Nov. 11, 1867.
1st, I claim the peculiar mode and maner described of constructing the magazine consisting as it does of several parts so connected together as to combine strength, durability and perfect adaptation to their purpose and so adjusted as conveniently to admit of separation and rennion at pleasure.
2d, The devices described by means of which the several sections and segments of the magazine are held irmly together in their relative positions and the whole in its proper place.
3d, The devices described by means of which the lining of soapstone or bricks is held securely in its proper place.
4th, The magazine constructed as described in combination with the furnace separated from the asspended within a chamber isolated from the chamber surrounding the magazine.
6th, The combination of a magazine contracting in diameter from the middle er other line downward to its lowerend with a furnace suspended within a chamber isolated from the chamber surrounding the magazine.
6th, The devices described by means of which the surrounds the furnace and that which surrounds the magazine.
6th, The devices described by means of which the surrounds the furnace and that which surrounds the magazine.
6th, The devices described by means of which the surpose at losser sections of the burner can readily be separated and re-united without injury to either. Th, I claim the inter-communication to be opened and closed at pleasure between the chamber of a magazine coal burner which surrounds the furnace and that which surrounds the magazine.
6th, He equare projection, J, of the 'vaire sten, D, made and combined with the and carrying the hollow screw, R, as and for the unpos

shown and set forth. 58,494.—GRATE BAR.—Sterry Smith, Salem, Mass. Dated Oct. 2, 1866. Application for reissue received and filed Nov. 11, 1867. I claim a compound grate bar formed of a series of parallel longitudinal bars, H.H., G. O'O'' G'', constructed and connected together, substantially

as describ 57,337.— -Horse HAY Fork .- Mary Jane Laird, Middletown,

57,051.—Information of the second second

80 88 to form the same are constructed and ar ranged so as to operate substantially as described.
3d, I claim the times, D b in combination with the rod, C, maynes the same are constructed and ar ranged so as to operate substantially as described.
4th, I claim the times, D b in combination with the rod, C, when the former are pivoted to the parallel bars, A A, and work in slots arranged in the end of the same, substantially as described.
6th, I claim the trod, C, link, E, and lever, F, when the same are arranged and combined substantially as described.
6th, The bars, A A, when they are connected and arranged as shown in combination with the rod, C, and link, E, snotstantially as described.
7th, In combination with the sliding rod, C, the lever, F, having its upper horizontal arm adapted to project through the ring, H, substantially as described and for the purpose specified.
68,095. — THRASHING MACHINE AND SEPARATOR. — Hugh W. Mathews, Chicago, III. Dated Aug. 27, 1867. Application for reissuereceiver and field Nov. 12, 1867.
1st, I colaim to oglitudinally slatted grain rack or platform, C, constructed substantially as described.
2d, The combination of a thrashing device, a perforated and longitudinally sistered scale or straw shakers, D, operating substantially as described.
3d, A stationary rack, C, and blades or straw shakers, D, operating substantially as described.

Blatted seasonary rack, o, and blades of selaw sinacety, optimized statisling as described. 3d, A stationary or movable rack, C, composed of perforated slats having longitudinal spaces between them in combination with serrated blades, D, arriuged and operated substantially as described. 4th, The slatted and perforated grain rack arranged so as to incline toward the thrashing device and hinged to the main box or frame, A, substantially a described as described. Sth, A centrally arranged longitudinal trough, J, provided with a screw conveyor, K, and two inclined planes, h, substantially as described.

6th, The combination of a slatted rack or grain platform, C, the serrated grain or straw shakers operating through said grain rack and conveyor, ar-ranged and operating substantially as described. 4,472.—MACHINERY FOR MAKING HAT BODIES.—Eliza Wells, Brooklyn, N, Y., administratrıx of the estate of Henry A. Wells, deceased. Dated April 25, 1846. Reissue No, 396. Dated Sept. 30, 1856. Extended April 25, 1860. Reissue No, 187. Dated Dec. 4, 1860. Application for reissue received and fled Nov. 18, 1867. Ist, I claim the combination of the rotating brush or picker, substantially such as described, therotating pervious come provided with an exhausting mechanismusbatantially as described and the bottom plate or guide substan-tially as described tor directing the fur fibers to ward the lower part of the cone and preventing the fibers going to was e the said combination having the mode of operating specified and for the purpose set forth. 24, The combination of the rotating brush or picker substantially as de-scribed the rotating pervious cone provided with an exhausting mechanism substantially as described and the guideor deflector for directing the fur substantially as described and the guideor deflector for directing the fur substantially as described and on the guideor deflector for directing the fur substantially as described and to the guideor deflector for directing the fur fibers on to fue tip and upper part of the cone substantially as described, the said combination having the mode of operation specified and for the purpose set forth. 34, The combination of the rotating prush or picker, substantially as de-

Inters on to the tip and upper part of the cone substantially as described, the said combination having the mode of operation specified and for the purpose set forth. 3d, The combination of the rotating brush or picker, substantially as described, the rotating pervious cone provided with an exhausting mechanism substantially as described and the side g ides or either of them substantially as described the fur fibers estimated the rotating brush or picker substantially as described and for the purposes set forth. 4th, The combination of the feeding apronon which the fur can be placed in separate batcheas described therotating brush or picker substantially as described the rotating pervious cone or former provided with an exhausting mechanism substantially such as described the rotating brush or picker substantially as described the rotating pervious cone or former provided with an exhausting mechanism substantially as described, the feed apron on which the fur fibers can be placed in separate batchease described the rotating brush or picker substantially as described the rotating pervious cone or former provided with an exhausting mechanism substantially as described, the combination having a mode of operation specified and for the purposes set forth. 5th, The combination of the feed apron on which the fur fibers can be placed in separate batchease described, the combination having a mode of operation specified and for the purpose set forth. 6th the combination of the feed apron on which the fur fibers can be placed in the provided with an exhausting mechanism and the means ior guid-ing the rotating brush or picker substantially as described. The combination having the mode of operation specified and for the purpose set forth. 6th the combination of the rotating brush or picker substantially as described. The combination of the rotating brush or picker substantially as described, the combination having the mode of operation specified and for the purpose set forth. 6th the combination of the rotating bru

Inventions Patented in England by Americans.

[Condensed from the "Journal of the Commissioners on Patents."]

PROVISIONAL PROTECTION FOR SIX MONTHS.

2,890.— Apparatus for Superheating Steam and Other Vapors.— Laf-fert R. Cornell, New York city. Oct. 15, 1867.

2,896.—Construction of Railways and Railway Carriages, and Means for Propelling the Same.—Chas. T. Harvey, Tarrytown, N.Y. Oct. 15, 1867. 2.941.—BEECHLOADING FIRE-ARM.—Samuel Norris, Springfield, Mass. Oct, 19, 1867.

2,971.-DREDGING AND SPICE BOXES.-George W. Putnam, Peterborough N. Y. Oct. 22, 1867.

2,981.-SINKING OR FORMING WELLS, AND APPARATUS TO BE USED.-Stephen Brewer, Cortland, N. Y. Oct. 23, 1867. 3,041.-CENTRIFUGAL MACHINE FOR SEPARATING LIQUID FROM SOLID MAT-TER.-David McC. Weston, Boston, Mass. Oct. 28, 1867.

EXTENSION NOTICES.

James Pitts, of Clinton, Mass., having petitioned for the extension of a patent granted to him the 28th day of February, 1854, for an improvement in cotton picker cylinders, for seven years from the expiration of said patent, which takes place on the 28th day of February, 1868, it is ordered that, the said petition be heard at the Patent Office on Monday, the 10th day of February

next. George W. Coats and James Russell, of Springfield, Mass., having peti tioned for the extension of a patent granted to them the 1st day of August 1854, for an improvement in machines for sticking card teeth, for seven years from the expiration of said patent, which takes place on the 1st day of August, 1868, it is ordered that the said petition be heard at the Patent Office on Monday, the 27th day April next.

	[001 / 0) 01 1 m m m m m m m m m m m m m m m m m		
Advertisements.	GUN AND SEWING MACHINE Screws of all kinds and sizes on hand and made to order by the LAMB KNITTING MACHINE MF'G CO., Successors to the	IMPORTANT. MOST VALUABLE MACHINE for all kinds of irregular and straight work in wood, called the Variety, Molo-	PATENT POWER AND FOOT-PUNCH- ING PRESSES, the best in market, manufactured by N.C. STILES & CO., West Meriden, Conn. Cutting and Stamping Dies made to order, Sendtor Circuiras. 14 13*tf
RATES OF ADVERTISING. Back Page	Solution Mass. Arms Co., Chicopes Falls, Mass THE BEST BOLT CUTTER IS MERRI MAN'S PATENT-Which cuts a full, smooth thread	all branches of wood-working. Our improved guards make itsafe to operate. Combination collars for cutters, saving 100 per cent, and feed table and connection, for waved moldings and planing, place it above all others. Evidence of the superiority of these mechines is the	Real program and the second se
Inside Page40 cents a line. Inside Page, for engravings60 cents a line.	THE DEST BOLL CUTTER IS MERRI at MAN'S PATENT-Which cuts a full, smooth thread at once passing over the bolt. The discrevolve, are in- stantly adjustable to the slightest variation, and open to release the bolt. Foreign Patents for sale. Send for cir- culars. 20 tf] New Haven, Conn.	large numbers we sell, in the different states, and parties laying aside others and purchasing ours, for cutting and shaping irregular forms, sash work, etc. We hear there are manufacturers infrmging on some one or more of our nine parents in this machine. We can	1 tf BULLARD & PARSONS, Harttord, Conn. PRESSURE BLOWERS —Equal in Force to Piston Blowers, and a perfect substitute for both
AGENT WANTED IN EACH COUNTY. Highest Premium at Great Fair American Institute, 1867. Brown's Combined Carpet Stretcher and Tack-	A SHCROFT'S LOW WATER DETECT- or will insure your Boller against explosion. JOHN ASHCROFT, 50 John st., New York. 21 12	I MOORTANT. MOST VALUABLE MACHINE for all kinds of irreg- ular and straight work in wood, called the Variety Molo- ing and Flaming Machine, indispensable to competition in all branches of wood-working. Our improved guards make it safe to operate. Combination collars for cutters, saving 100 per cent, and feed table and connection, for waved moldings and planing, place it above all others. Evidence of the superiority of these machines is the large numbers we sell, in the different states, and parties laving adde others and purchasing ours, for cutting and shaping irregular forms, sach work, etc. We hear there are manufacturers infinging on some one or more of our nine patents in this machine. We cau- tion the public from purchasing such. All communcations must be addressed "Combination Molding and Planing Machine Company, Post-office Box 230, New York. All our machines are tested before de livery, and warranted. Send for descriptive pamphlet. Agents solicited. 14 tf	Lisbourk BLOWERSEqual In FORCe to Piston Blowers, and a perfect substitute for boti fan and Pistonsrunning more easily than either. Adapt ed for Blast, and Cupola, and Heating Purposes, Forges Steamships, Bollers, Ventilation, ctc., etc. Prices accord ing to sizes, ranging from \$25 to \$1,500. Address, for Cir cular B. F. STURTEVANT, 14 tf 72 Sudbury street, Boston, Mass.
Driver Stretches and Tacks Carpets simultaneous- ly, without stooping, bruised fingers, side aches or lame backs. Uses any kind of tack. Brown's Tack-Drawer accompanies the Driver. Send stamp for circulars. G. E. HARDING, 726 Ifway, N. Y. "Operated with as little effort as the subsequent sweeping of the	PORTABLE STEAM ENGINES, COM bining the maximum of efficiency, durability, and economy with the minimum of weight and price. They are widely and favorably known, more than 600 being in use. All warranted satisfactory or no sale. Descriptive circulars sent on application. Address J. C. HOADLEY & CO., Lawronce, Mass. 1 tf		THE CELEBRATED "SCHENCK" WOODWORTH PLANEKS WITH NEW AND IMPORTANT IMPROVEMENTS, Manufactured by the SCHENCK MACHINE CO., MATTEAWAN, N. Y. JOHN B. SCHENCK, President.
arpet. The Tack-Drawer extracts the tacks as easily."—Sei, American, "Putting down Carpets becomes a light and elegant annuement, be- ides suving the labor of one person?—N. Y. Trikine. OILL! OILL!! OILL!!!		Ferry Road, Philadelphia, Pa. J. B. HY DE, Agent, 17 ti 119 Broadway, New York. BABCOCK & WILCOX'S PATENT STATIONARY STEA ENGINES, From 25 to 1,000 horse-power, built in the best manner and at the abort est motion by the	T. J. B BCHENCE, Treas. 14 th I RON PLANERS, ENGINE LATFIES Drills, and other Machinists' Tools, of Superior Qua ity, on hand and infishing. For Sale Low. For Descrip- tion and Price, address NEW HAVEN MANUFACTUB- LING CO., New Haven, Ct. 14 18' tf
FIRST PREMIUMPARIS, 1867. EXPOSITION UNIVERSELLE !	Also, a complete assortment or MECHANICS' TOOLS.	South Brooklyn Steam Engine & Boiler Works Imlay, Summic, and Van Brunt sts., Brooklyn, N. Y. IF Over 4.000 horse-power of these engines are now	PHOENIX IRON WORKS . Established 1834. GEO S. LINCOLN & CO
PEASE'S IMPROVED OILS! Acknowledged the Best in the World! The Highest Award over all others! Grand Silver Medal and Diploma !	Framing Chisels, Socket Firmer Chisels and Gouges, Socket Par- ing Chisels, Drawing Kuives, Screw drivers Augers and Bits, Bung Borers, Boring Machines, Gimiets, Firmer Chisels and Gourse, Hollow Augers, Cork-	running and contracted for. D. MoLEOD, Proprietor. 17 tfj D. MoLEOD, Proprietor. SHEET AND ROLL BRASS, BRASS AND COPPER WIRE, GERMAN SILVER, BTC., Manufactured by the THOMAS MANUFACTURING CO.,	Iron Founders and Manufacturers of Machinists' Tools 54 to 60 Arch street, Hart.ord, Conn. We are prepared to furnish first-class Machinists' Tool on short notice. Samples may be seen in eur Wareroom Also, we keep constantly on hand our Patent FRICTION PULLEY, Counter Shafts for Lathes, etc. 15 tf
The Only One to the United States awarded to F. S. PEASE, For the Greatest Excellence in Oils for Lubricating and furning.	Warchouse, 70 Beekman street. New York. 10 tf	Thomaston, Conn. Special attention to particular sizes and widths for Type Founders, Machinists, etc. 2 26*	MASON'S PATENT FRICTION CLUTCHES, for starting Machinery, especially Heavy Machinery, without sudden shock or jar, are man ufactured by VOLNEY W. MASON, 14 13° Forvidence, R. I.
London,		PATENT SHINGLE, STAVE, AND Barrel Machinery, Comprising Shingle Mills, Head- ing Mills, Stave Cutters, Stave Jointers, Shingle and Heading Jointers, Heading Rounders and Planers, Equa- ting and Cut-off Saws. Send for Illustrated List. FULLER & FORD, 17 tfj 282 and 284 Madison street, Chicago, Ill	It 13* Providence, R. I. FAY'S PATENT WATER-PROOF Roof, ing Paper, etc. Send red stamp for Circular and sample of Paper. C. J. FAY, iz 13* iz 13* Second and Vine streets, Camden, N.J.
These Improved Oils cost no more than many of the common oils in market, while they are enforced by the reatest experience and highest authority in the United tates and Europe, and offered to the public upon the most thorough, reliable, and practical tests as the Best Ils made tor	HARRISON BOILER Is the only one now offered for sale entirely FREE from DESTRUCTIVE EXPLOSION.	Fitters' Brass Work, address F. LUNKENHEIMER, 10 26*] Cincunati Brass Works.	PORTABLE AND STATIONARY Steam Engines and Boilers, Circular Saw Mills, Mill Work Cotton Gins and Cotton Gin Materials, manufactured by the ALBERTSON & DOGGLASS MACHINE, CO.
Oils made for Railroads, Steamers, and for Machinery and	Twenty thousand horse-power have been made and put in operation within the last three years with a constantly	WHEELER & WILSON, 625 BROAD-	New London, Conn. 14 tf

