RECENT AMBRICAN INVENTIONS.

The following are some of the most important improvements for which Letters Patent were issued from the United States Patent Office last week. The claims may be found in the official list :----

Harness Saddle.-This invention consists in constructing the saddle of two wooden bearings connected at their upper ends by a metal spring which is strengthened or supported by an elastic piece of wood, and having the upper surfaces of the woolen bearings grooved in such a manner as to receive the covering of the saddle. The object of the invention is to obtain a harness saddle which will adapt itself to the back of the animal, and fit snugly or properly thereon, without injuring the back of the horse in the least ; and at the same time admit of being manufactured at a comparatively low price, and form a superior piece of work for first-class harnesses. Robert Spencer, of Brooklyn, N. Y., is the inventor.

Cur Coupling .- This invention relates to an improve ment in the ordinary car coupling now in general use and which consists simply of a socket formed at the end of the draw bar and provided with a vertical pin which secures the link or shackle within it, the link or shackle forming the connection between the drawheads of two adjoining cars. This coupling, although possessing some disadvantages, has, on account of its simplicity, the small cost with which it may be constructed, and not being liable to get out of repair or become deranged by use, not been superseded by any of the more pretentious couplings hitherto devised. In many of the latter, advantages have been obtained not possessed by the old coupling, but, at the same time, they all have thus far proved to have some objectionable or impracticable feature which has served to prevent their general adoption. This invention consists in a very simple modification of the old coupling by which the link or shackle may be adjusted in the drawheads of two adjoining cars when the former are in contact, the shackle not requiring to be adjusted longitudinally in the drawheads by hand, as hitherto, when the cars are in motion. To effect this result the drawheads, or rather their sockets, are furnished with a slot extending around both sides in such a manner that the shackle may be inserted laterally in the sockets as well as longitudinally. The invention further consists in a simple means for perventing the casual detachment of the pins from the drawheads, whereby the usual chains are dispensed with. A. I. Ambler, of Milwaukee, Wis., is the inventor of this device.

Device for Letting off Water from Pumps .- The object of this invention is to provide simple and effective means for letting off water from pumps to prevent freezing. It consists in the arrangement of a screw rod provided at its lower end with a valve or stopper of cork or other suitable material, and passing down through a suitable case on the side of the pump stock in combination with a pipe emanating from the lower parts of the pump stock and communicating with the interior of the same, in such a manner that by means of said screw rod the pipe can be opened and closed at pleasure, and that when the pipe is open the water remaining in the pump is permitted to ooze out, and the freezing of the same prevented. Caleb G. Puckett, of Cerro Gordo, Ind., is the inventor.

Submarine Carriage for Hauling up and Launching Vessels .- This invention consists in constructing the carriage with a joint in such a manner that it may be shoved along on the bed of the river a greater or less distance beyond the lower end of the ways, so as to enable vessels to be floated over and upon the carriage and touch at a point near the upper end of the latter. The object of the invention is to avoid the difficulty hitherto attending the hauling up of vessels of heavy draught in shallow places or where there is not a sufficient depth of water to enable a vessel to be floated properly upon the carriage, and also to avoid the difficulty attending the launching of vessels in shallow water. A. O. Crane, of Hoboken, N. J., is the inventor of this device.

VALUABLE ARMS .- One of the English vessels recently captured while trying to run the blockade, and brought to this city, had a number of rifles on board, and on examining them they were found to have no vents!



ISSUED FROM THE UNITED STATES PATENT OFFICE FOR THE WEEK ENDING SEPTEMBER 2, 1862.

Reported Officially for the Scientific Ameri

⁹*⁹ Pamphlets giving full particulars of the mode of applying for patents, under the new law which went into force March 2, 1861, speci-iying size of model required, and much other information useful to inventors, may be hed gratile by addressing MUNN & CO., Philishers of the SCIENTIFIC AMERICAN, New York.

36,328.—John Agate, of Cuba, N. Y., for Improved Ma-chine for Holding and Filling Bags: I claim the bag holder and filer, constructed and arranged, substan-tially in the manner specified. 36,328

tiality in the manner specified.
36,329.—Francis Alger, of Boston, Mass., for Improve-ment in Fuzes for Explosive Shells:
I claim, first, The construction and arrangement of a sliding time fuze, within the fuze case, so that the shell will be exploded by strik-ing, substantially in the manner described.
Second, I claim the elastic packing ring, h applied and operating substantially as described.
Thurd, I claim the washer, g, applied and operating substantially as

cribed. ourth, I claim the arrangement of a hammer, fulminate and time e, substantially in the manner and for the purposes specified.

ALC, SUDSLAUGHT IN the manner and for the purposes specified.
36,330.—W. H. Babcock, of Homer, N. Y., for Improve-ment in Water Elevators:
I claim the arrangement of the spring, K, projection, J, piece, U Y, and pawl. B e, for operation with the loose crank and ratchet wheel, and frictional surface, P, substantially in the manner herein set forth.

forth. 36,331.—A. C. Baker and John Van Dyne, of Hyde Park, N. Y., for Improvement in Car Couplings: I claim the yielding jawa, B. B., with the transverse bars, D.D., at-tached; in combination with the shackle, J. and levers, E. B., the lat-ter being placed on the shaft, F. which is provided with the arms, G G. connected by the crossbar, H; the above parts being used with or without the guides, II, and filted in or applied to the drawhead, A, as and for the purpose set forth. [The object of this invention is to obtain a car coupling which will be self-energeing or connecting, and admit of being readily discon-

be self-engaging or connecting, and admit of being readily disconsected by the foot of the operator or brakeman, on the platform of either of the two cars which the coupling connects; the parts being so arranged that the shackle of the coupling will always be retained in eithe a horizontal position, or nearly so, in the drawhead, so as to insure as two cars approach each other, its entrance into the drawheadof the car which is not provided with the shackle.]

36,332.—I. F. Baker, of West Yarmouth, Mass., for Improvement in Invalid Bedsteads: I claim, first, The arrangement of the rollers, C C', sheet, I, ratchets, D and D', and the interchangable bearings, b b', operating together, substantially in the manner and for the purpose herein described. econd, I also claim the double pawls, Ff, so arranged as to be self-porting, substantially as and for the pur pose herein set forth.

36,333.—A. W. Brinkerhoff, of Upper Sandusky, Ohio, for Improved Device for Husking Corn: I claim the herein described corn husker, composed of a clasp, H, and a hooking tooth, B, whether formed entire of one plece of metal or by combining the hooking tooth with a metallic, leather or other clasp or band, by any of the common modes of attachment, such as riveting and soldering, as and for the purposes set forth.

36,334.—A. W. Brinkerhoff and A. T. Barnes, of Upper Sandusky, Ohio, for Improvement in Fruit Gatherers : We claim, first, In fruit gatherers the use of the metallic cap or up-per jaw, C, with blade, B, and stop, S, substantially as and for the purposes described. per jaw, C, with black, J, and stop, substantially as and for the Second, In combination with the cap or upperjaw, C, blade, B, and stop, S, we cals in the arrangement of handle, H, low er jaw, A, adjusta-ble, actuating wires, W, and conductor, P, substantially as and for the purposes set forth.

purposes set forth. 36,335.—A. W. Brinkerhoff, of Upper Sandusky, Ohio, for Improvement in Corn Planters : I claim, first, So constructing the main framework of corn-planting machines as that an additional framework, combining the seeding de-vices, shoes, attendard's seat and elevating lever may be placed and carried thereon, substantially as described and for the purposes set forth

vices, shoes, attendant's seat and elevating lever may be placed and carried thereon, substantially as described and for the purposes set forth. Second, I claim so combining with the main framework of corn-planting machines, an additional framework containing the seeding devices, shoes and attendant's scat-all of which are forward of the center of the wheels or ground supports—the whole supported and carried on the main framework, and so that said additional or upper framework without in the least degree disarranging any of their parts, substantially as and for the purposes set forth. Third, I claim so constructing corn-planting machines as that the shoes or furrowopeners, shall, at all times when relieved of the weight of the attendant who operates the sading machines as that the ground by the weighted lever, m, and there carried, as and for the purposes set forth. Fourth, I claim so constructing corn-planting machines as that the shoes or furrowopeners, shall, at all times when relieved of the weight of the attendant who operates the sading machanism, is neces sary to, and will force the additional framework to which the shoes sar y to, and will force the additional framework, thereby causing them to penetrste the earth to a certain and uniform depth at all times, pro-ducing uniformity in the depth of planting machines as that the attendant or person who operates the seeding mechanism, is neces as desired by notched slide, b, as set torth. Fith, I claim so constructing corn-planting machines as that the attendant or person who operates the seeding mechanism, sub operated as lessing the shoes to rise above the ground for the purpose of turn-ing at the ends of the fields, and passing over intervening obstacles, without the assistance of a second attendant, or the necessity of dis-mounting, as set forth. Sith, I claim, in combination with corn-planting machines sup-ported mainly upon not less than two wheels and slightly upon the wheels, and which are elevated automatically, a hingd or yielding joint in the

joint in the rear of all points of support, as described and for the pur-poses set forth. Seventh, I claim in seed-planting machines the automatic elevation of the shoes or furrow openers above the ground, for the purpose of passing intervening obstacles, turning around and transporting the machine from place to place, as set forth. Bighth, I claim in combination with a corn-planting machine, wherein that portion of the framework containing the seeding devices is elevated automatically, and having its seeding devices forward of the center of the wheels, so connecting the parts between the main and additional framework, as that by simply removing the bolts at c c. Figs. I and 4, the additional framework may be removed, having the main framework perfect for marking the ground preparatory to planting, as set forth. Ninth, I claim the weighted lever, m, or its equivalent, in combina-tion, with the additional framework, as and for the purposes set forth.

tion with the additional framework, as and to the form forth Tenth, I claim the weight, K, on lever, m, adjustable when used in combination with seed-planting machines, for the purpose of accom-modating it to the amount of seed in the boxes, and varying weights of attendants, as set forth. Eleventh, I claim in combination with corn-planting machines, the

metallic plates, T.T., constructed as described, forming a receptacle for the neck of shoe, B', the bearing for the shaft of cylinder, 4, and a ready and firm attachment for aced boxes, 30, as set forth. Tweith, I claim, in combination with corn-planting machines, the hounds, f', when constructed as described, thereby saving all neces-sity for wood and boits in their manufacture. Thirteenth, I claim the combination and arrangement of cylinder, 4, with metallic base, 66, and metallic cap, 33, elastic cut off, 10 10, and dish or hopper, 21, as and for the purposesset forth. Fourteenth, I claim providing the face of cylinders of seed planters with oblique grooves, in combination with seed cells, substantially as described and for the purposes set forth. Fitteenth, I claim the formation by seed-planting machines, of the double turrows, w w, Fig. 10, with the continuous scatterer, x, between them, as described, and for the purposes set forth. Sixteenth, I claim the inverted v-shaped opening in the lower from them, as described, as set forth. Sixteenth, I claim the inverted v-shaped opening in the lower from from becoming clogged, as set forth. 36,336.—A. W. Brinkerhoff and A. J. Failor, of Upper San-tion becoming clogged.

Tom occoming cioggen, as set forth. 36,336.—A. W. Brinkerhoff and A. J. Failor, of Upper San-dusky, Ohio, for Improvement in Field Rollers : We claim applying directly to the centers of field rollers, as nearly as we possibly can, as single projection, east in sections but forming one on: thuous marker when applied to the roller, and attached or held in place by screws or bols, whereby they may be easily applied to the roller for marking corn ground, and as easily removed therefrom, leaving the roller in proper form for use on meadows or for preparing other ground when smooth surface is desired, substantially as and for the purpose set forth. other ground when sm the purpose set forth.

36,337.—C. M. Bromwich, of South Boston, Mass., for Draught Attachment for Lamp Boxes: I claim the box. B, provided with an elevated chamber, C, in com-bination with a box. D, perforsted at its upper and lower part, as shown at d c, and having a suspended box or deflector, E, within it, all arranged as shown, and used with or without the box, A, as and for the purpose herein set forth. arrange

[This invention relates to an improved arrangement for admitting of the escape of air from the lamp box and the admission of the external air therein, whereby the supply of air to the flame of the lam stant and the flame allowed to burn with dered uniform or co lickering.]

accerning]
36,338.—Hiram Burlew, of Lock Haven, Pa., for Improved Composition for Concrete Pavements:
I claim the employment or use of a composition for paving, made of the ingredients herein specified, and mixed together in the manuer and in about the proportion described.
[This invention consists in a composition of pine tar, gravel, sand,

coal ashes and calcined plaster, mixed together so as to produce a ound which is free from smell, and which becomes, in a short e, perfectly hard and weather and water proof.]

36.339.-G. F. J. Colburn. of Newark, N. J., for Improvement in Applying Reflectors to Lamps : claim the mode herein described of applying reflectors to lamps, the nurnees specified

I claim the mode for the purpose sp

36,340.—A. O. Crane, of Hoboken, N. J., for Improvement in Sub-Marine Carriages: I claim a carriage or cradle for sub-marine railways, constructed of two or more parts, connected by hinges or joints, to operate as and for the purposes herein set forth.

the purposes herein set forth. 36,341.— Joseph Defossez, of Paris, France, for Improve-ntent in Safety Lamps: I claim the pneumatic locking device, m no, in combination with the oil reservoir, A, top late, F, and chamney, D, all constructed and operating substantially in the manner and for the purpose herein aboven and described.

[This invention relates to certain improvements in that class of lamps known as Davy's Safety Lamps, and it consists in the applica-tion to the cover of the lamp, of a peculiar locking device, in such a manner that neither the cover nor the wire-gauze protector can be removed, until, by the application of an air pump means, the bolt of the locking device is withdrawn.] other suitable

John DuBois, of Williamsport, Pa., for Improve-36.342.-

36,342.-JOhn JULSOIS, OI WHILEMEPOLS, I and A an

sliding joint at the opposed extremity of the spread, the map of the forth. Third, I claim a dam shoot having an apron made in sections, H H', hinged together at their junction as at i, the lower section, H', articu-lating upon a fixed hinge, and the upper end of the section, H', ara wel-ing in a horizontal slot at the bottom of the flume, the whole being operated substantially in the manner and for the purpose described.

Operated substantially in the manner and for the purpose described.
36,343.—J. B. Easlam, of Bridgeport, Conn., for Improvement in Settees for Railroad Passenger Cars:
I claim suspending the seat thereof from the same pivots upon which the back swings, and so connecting the arms of the seat and back with each other, that any desired inclination may be given to the described.

assertational 36,344.—B. W. Fay, of Boston, Mass., for Improvement in Sweats for Hats:

SWEADS IOF HADS: I claim the sweat herein described, prepared with an ornamental cam, gg, and secured to the hat in the manner substantially as set orth.

36,345.-William Grange, of Augusta, Ky., for Improve-

ment in Harrows: I claim the peculiar arrangement of the arms, c and c', outer rota-ting frame, A' and roller, E, in connection with the inner rotating frame, B', and roller, F, the two rotating frames being carried by and rotating concentrically in opposite directions upon the same central stem, C, as set forth.

stem, G, as set forth.
36,346.—William Gregg, of Philadelphia, Pa., for Improved Refrigerator:
1 claim combining a water cooler with a refrigerator so that the latter, in conmection with its ice box, shall form the cover of the water cooler, the whole being arranged together so as to operate in the manner described for the purposes specified.
36,347.—T. F. Griffiths, of Dansville, N. Y., for Improved Holdbacks for Carriages:
I claim the employment or use of the clasp, C, and the hock, B, they being constructed substantially in the manner specified, and operating constructed substantiality in the manner specified, and operating c

36,348. -William Grover, of Holyoke, Mass., for Improved

36,348.—William Grover, of Holyoke, Mass., for Improved Gas Regulator: I claim the combination with the oscillating pipe, D, and its ful-rumas, j, of the inverted cup. E, and its arms, k k, in the manner erein shown and described. I also claim the arrangement of the fulcrums, j, within the mer-ury cup, h, as herein shown and described.

abining the inlet and outlet chami [This invention consists in co of a gas regulator by means of an oscillating siphon-shaped pipe, so appl ed as to form a means of communication through which the ases from one chamber to the other, and so combined with an cup, and with basins of mercury, as to constitute the regulatrted ing valve.]

36,349.—Jasper Hazen, of Albany, N. Y., for Improve ment in Beehives: I claim the combination of the parts, A A, boxes, B B B and C C, adjustable bottom board, D, and bars, G G, in one hive as specified.

36,350.-J. M. Hendricks, of Philadelphia, Pa., for Im-provement in Hulling Machines: I claim, first, The two plates, D D, provided with teeth, as shown, one, D', being arranged to rotate on an adjustable shaft, E, and the other, D, fitted permanently in the case, C, with an elastic or yielding substance, formed of india rubber and cork, interposed between it and the side or plate, a, of the case, as and for the purpose specified.

Second, In combination with the plates, D D', the blast fan, N; and reciprocating screen, O, placed within the box or case, M, and arranged in relation with the plates, D D', to operate as and for the purpose herein set forth. Third, The polisher or scourer formed by the rotating-toothedshaft, O', placed within the box, N', in combination with the screen, O, blast fan, N, and plates, D D', arranged as and for the purpose specified

fied. Fourth, The rotating screens, Q T, placed one with in the other in the case, B, in combination with the polisher, O', reciprocating screen, Q, blast fan, N, builing places, D D', the latter being placed within the case, C, and the plate, D' provided with the conical flacehed feeder, F, projecting within the hopper, B, and all arranged to operate as and for the purpose specified.

(The object of this invention is to obtain a struction which will hull and cleanse from all impurities, coffee, cot ton seed and various kinds of grain, and also grind coffee and grain with the greatest facility, and pe rform the work expeditiously a a thorough and perfect manner.]

36,351.-Joseph Hollen, of Fostoria, Pa., for Improvement

36,351.—Joseph Hollen, of Fostoria, Pa., for improvement in Knitting Machines: I claim, first, The stitch-lifting levers, H H H, arranged around the end of the cam tylinder, g, so as to operate in combination with the needies, C, and presser, E, substantially in the manner described for the purpose specified. Second, Giving to the needle cylinder, B, the periodic motions de-scribed by means of the forked plate, M, or its equivatent, operated by the cam cylinder, g, and spring, N, substantially in the manner de-scribed for the purposes specified.

scribed for the purposes specified.
36,352.—Alexander Irwin, of Pittsburgh, Pa., for Improve-ment in Engines for City Railroads:
I claim, first, The oscillatog engines, F F, in a frame, E, suspended underneath the car bed, A, as shown, in ombination with the heater, K, tanke, H H, and boilers, G G, all arranged and disposed in relation with the car bed, A, to operate as and for the purpose herein set forth.

forth. Second, Constructing the tanks, H, with a series of compartments in connection with the valves, J, and rods, I, arranged therein as shown for the purpose specified. Third, The sprin kirsers or jet discharges formed of the tubes, L, with perforated pupes, m, at their lower ends, when ead tubes are connect-ed and arranged with the tanks, H, and the wheels, B, for the purpose herein set forth.

[The object of this invention is to obtain a simple and compact steam ear for street or city railroads, one in which the engines and driving mechanism will be so arranged or disposed as to cause each wheel to be subjected to an equal weight and not at all interfere with the room

or space designed for passengers.] 36.353.

or space designed for passengers.] 36,353.—I. R. Lawrence, of Green Island, N. Y., for Im-provement in Endless-Chain Horse Powers : I claim the movable half circle or outside guide or guides, G, for the endless chain at the end of the machine, the machine being so con-structed, substantially as herein described, that a lag, B, link, C, or roller, D, can be taken from and replaced in the endless chain at the circular end of the machine on removing the said half circle or outer guide or guides, G, without taking either the guard rall or guard ralls, I, or the horse or horses from the machine. I also claim the inclined tapered alles, L, cast on links, C, com-bined together and with the rollers, D, lags, B, and tracks, E F, sub-stantially as herein described. And I also claim the inclined tapered pirots, N, and corresponding sockets, P, cast in and upon links, C, combined together and with lags, B, rollers, D, and supporting rail, E F, substantially as herein

36,354.—A. S. Lyman, of New York City, for Improved Apparatus for Concentrating Milk : I claim the combination of the rotating disks, gg, the continuous pan, B, and the air passage, c, substantially as and for the purpose berein specified.

36,355.—Alexander Moffitt, of Brownsville, Pa., for Im-provement in Hubs for Vehicles : I claim, first, The box, a, in combination with the part, b, and parts, c d e, with their appendages or flanges, substantially as de-scribed.

cribed. Second, The pins, p and q, with their fastering screws, p' and q', i combination with the holes in the lips of the cup-shaped flanges, ' and f' as described. Third, The screw nut, d, and flange, d', for tightening the disk, c, nd flange, c', upon the ends of the spokes. Fourth, The screw nut, f, with its flauge, f', and imperforste dis-hragm, h, constructed in the manner and for the purposes speci-

ied. Fifth, The semi-eliptical or semi-oval mortisc, c' and e', constructe n the manner and for the purposes set forth.

11 the manner and for the purposes set forth.
36,356.—Prosper Monnet, of Lyons, France, for Improvement in Producing Aniline Colors:
I claim the within-described process of treating the hydrochlorates or other sails of aniline or tolutidne with intro-benzine, substantially in the manner and for the purposes specified.
[By this present etaulistic treating the present etaulistic treating the present etaulistic treating the purposes specified.

(By this process a beautiful red, blue and purple color is produced Messrs. Schneider & Heidlauff, of No. 21 South William street, New York city, are Mr. Monnet's agents in this country.]

36,357....Prosper Monnet, of Lyons, France, for Improve-ment in the Manufacture of Aniline Colors : I claim the within-described process of treating the red of aniline with methyline or wood spirit and nitric acid substantially in the man-ner and for the purpose set forth.

[By this processa beautiful violet-blue color of aniline is produced.

36,358.—James Nichols, of Limestone, N. Y., for Improvement in Magazine Firearms:
 1 claim, first, The powder charger, Q. applied in combination with the rotating cylinder, C, and a magazine, P, substantially as herein specified.
 Second, The bullet-feeding mechanism consisting of the rotating of the rotating content of the rotating of the rotating content of the rotating of the rotating content of

the rotating cylinder, G, and a magazine, P, substantially as herein specified. The bullet-feeding mechanism consisting of the plunger. S, double ratichet rod. S'. slide, T. dog, T. link, 14, and lever, U. the wagazine, R, to opensite substantially as herein specified. Third, The frame, A B, attached rigidy to the stock and the frame, B F G H, attached to the barrel fitted together and combined by means of a yoke, G, and cam, I applied and operated substantially as herein described, to produce a longitudinal movement of the barrel or stock, the one relatively to the other. Fourth, Computing the cylinder with the recoil shield by means of the zig-zag growe, h h i, in the cylinder and the plu, j, in the recoil shield, such groove and pin serving both to stop the cylinder in its re-volution and to detach the cylinder from the barrel in the longitudinal movement of the latter, substantially as herein specified. Fifth, The elbow lever, N, carrying the revolving dog, n, and the cam, I, applied in combination with each other and with the cam, L, by which be lengticing in movement of the barrel is produced sub-tantially as and for the purpose herein specified. [This invention mainly consists in certain means applied to a fire-arm in combination with a rotating many-chambered cylinder in the

arm in combination with a rotating many-chambered cylinder, for the purpose of permitting and effecting the loading of the chambers with loose powder and bullets or shot from magazines attached to the bar-rel or forestock of the arm in front of the cylinder.]

36,359.—Robert Porter, of Philadelphia, Pa., for Im-proved Sheet-Metal Cane for Oils, Varnish, &c. : I chaim providing a sheet metal can with drain grooves, d d. in its top plate. A, the said grooves leading directly from the periphery of the latter to its cork tube. B, and the said plate being slightly raised toward its said tube, substantially as described and set forth and for the purposes specified.

36,360.—J. C. Osgood, of Troy, N. Y., for Improvement in Submarine Excavators:
I claim, first, An endless bucketor elevator dredging machine which is arranged to swing wholly upon a craue and operated thereupon, and is capable of being raised and lowered upon said crane, substan-the ly as and for the purposes set forth.
Second, The combination with adjustable inclined ways, D, and the frame of theoreme, B, of the device, o y, or its equivalent, substan-tially as and for the purposes set forth.
Third, So combining the bevel wheels, M N, and main upright of the

crane with the shaft and pinion. L, through which the power is trans-mitted from the engine to the machinery in theorane, that said crane may be made to arliculate in any desired direction without affecting or varying the working relation of said berel wheels with the said shaft and pinion, substantially as described. Fourth, The construction and arrangement of the crane, substan-tially as specified, so that the endless chain of buckets or elevators aball stand and discharge at a point higher than any other part of the apparatus, for the purpose set fortn. Fifth, In combination with the endless chain of buckets the manner of hanging the sbute or trough so that it will adjust itself by means of the boli under the hopper and the small crane, H, substantially as

here on uncer the nopper and the small crane, H, substantially as herein set forth. Sixth, The manner of constructing the hopper with the reversing bottom in combination with the shute or trough for the purpose set forth

-A. T. Peck, of Scott, N. Y., for the Improvement 36.361.

in Butter Tubs : I claim, as an improved article of manufacture, a butter tub, firkin or box, constructed of wood and having a lining of mica, substantially as desaribed. This invention consists in constructing a wooden butter tub or fir

kin, with a lining of mica, whereby many advantages are obtain the ordinary wooden tubs or firkins now in general use.]

36,362.

62.—N. W. Peebles, of Brunswick, Ohio, for Improved Clothes-Wringing Machine : haim the single spring, S, acting directly on the journals of the sure roller, B, constructed and arranged in combination with the e, A, and pressure roller, B, substantially as and for the purpose in specified. I cla

36,363.—David and John Pfouts, of Holmes County, Ohio, for Improved Pricking Martingale for Preventing Horses and Mules from Throwing or Breaking Fen-

C68 : We claim the combination of said pricking breast strap and the straps, E E, which hold the pricking breast strap to its place. 36,364.—John Oesterling, of Wheeling, Va., for Improve

ment in Snap Dragon : I claim the diagonal silis as shown in Figures 1, 4, 5 and 6 of the irawings or the equivalents of said slits.

36,365.—C. G. Puckett, of Cerro Gordo, Ind., for Improvements in Drain Valves for Pumps:
 I claim the combination of the box, f, screw valve rod, c, valve, b, and pipe, a, with the pump stock, A, in the manner herein shown and described.

36.366 -S. S. Putnam, of Dorchester, Mass., for Improved

36,366.—S. S. Putnam, of Dorchester, mass., for improved Curtain Fixture: I claim the loose pivol, f, held in place upon the curtain rod by means of the flange, i, and cap. H and controlled in its motions by the concealed spring, g, and pawi, k, the pawi engaging directly with the pivot or with a tooth attached thereto, substantially as set forth.

the pivol or with a toot attached thereto, substantially as set forth. 36,367.—F. J. Rebbeck and E. M. Davies, of Pittsburgh, Pa., for Improvement in Lamp Burners : We claim the wick tube, D, provided with a hollow perforated cyl-inder, I, and encompassed by a case, K, having one or more openinga, d, made in it and provided with a fanch, L, to receive the case or de flector, M, and draught chimney, N, when said parts are arranged to admit of the vertical sliding of either the wick tube or case so as to expose the upper end of the wick tube when necessary for the por-pose of lighting or trimming the wick, and also to inclose fully the wick tube when the burner is in use, substantially as herein set forth. [The object of this invention is to obtain a lamp burner, for burning ceal oil and similar fluid hydrocarbons, which will admit of the wick being lighted and also trimmed when necessary without removing the

being lighted and also trimmed when necessary without removing the glass draught chimney or detaching any of the parts of the burner.]

36,368.—Moses Reed, of St. Louis, Mo., for Improved Composition for Cleaning Painted Wood Work,

Stone, &c. : claim the employment or use of a composition made of the ingre-nis above specified, mixed together in the manner and about in the portions herein described.

[This invention consists in a compound made by mixing together pulverize pumicestone, sal soda and borax, for the purpose of cleans-ing painted work or stone work, to be used instead of soap and scrubbing brush.

36,369.—Benjamin Rice, of Hastings, N. Y., for Improve-ment in Attaching Th lls to Axles: I claim the employment of the oblong eye, B, in combination with the steel head, a, loose box, E, spring, F, and pin, C, in the manner herein shown and described.

[This invention consists in having an eye of oblong elliptical form made at the end of the thill iron, and having a steel bearing therein and also a loose box having a spring bearing against it to compensate for wear. The above parts being used in connection with a steel con-necting pin and Babbett-metal bearing fitted in the yielding box, whereby a very strong and durable coupling is obtained, and one in which wear is fully compensated for. An engraving of this invention appeared on page 168 of the current volume of the SCIENTIFIC AMERI-CAN.

GAN.] 36,370.—L. D. Roberts, of Cleveland, Ohio, for Improvement in Machines for Making Horseshoes: I claim, first, The combination of the secentric, C, mandrel, D, the primary and secondary arms, L L', when operating conjointly in the manner and for the purpose set forth. Becond, I claim the cam lever, N, rods, on, and spring, M, in combination with the roller, P, and arms, L L', in the manner and for the purpose specified. Third, I claim the cam lever, N, rods, on, and spring, M, in combination with the roller, P, and arms, L L', in the manner and for the purpose specified. Third, I claim the cam gement of the cams, F F, arms, I and Y, in combination with the roll spring, Y, V, rages, S S', and mandrel, D, on the eccentric, C, when arranged to operate conjointly in the manner and for the purpose specified. Find, I claim the adjustable gages, S S', with the movable side, J, and awa, U U, as and for the purpose herein described. Bitth, I claim the adjustable gages, S S', with the manner, D, and saws, u U, care, T, g, and spring, i, in combination with the shears or cutter, T, operating conjointly with the manner, D, S6,371.—J. W. Schreiber, of New York City, for Improve-

pose set forth. 36,371.—J. W. Schreiber, of New York City, for Improve-ment in Coal Oil Lanterns : I claim the samp, A, provided with a cylindrical rim or case, D, and a polygonal or corrugated fianch, F, in combination with the chim-ney, and the shirt or jacket, K, on or around the upper part of the latter, all arranged as and for the purpose herein set forth.

This invention consists in constructing the body or fountain of the np with an external rim or case of cylindrical form, and also with a polygonal or corrugated flanch of such diameter that it may fit within the external rim or case of the lamp, between it and the body or fountain, and form circuitous air inductive passages through which the flame is supplied with air. These parts being used in connection with a draught chimney provider at its upper part with a jacket or skirt, all arranged in such a manner as to form a conmical lantern for burning coal oil with a brilliant venient and eco light.]

36,372.—Charles Seymour, of Laporte, Ind., for Improve-ment in Machines for Upsetting and Stretching Tires:

lows. Letters Patent No. 34,201, dated January. 21, 1862: First, We claim the employment or use in willow peeling machines, of two presser wheels, D and F, constructed and operating substan-tially as described, so as to produce a direct central pressure upon three sides of the pasalog willow. Becond, The projections, m, attached to yielding sildes, i, which are ditted in a plate. L between the bars, K, and arranged in relation with the wheels, D and F, to operate as and for the purpose speci-fied. Tires: I claim, first, The frame, B, sliding bed plate, c, with its rack, D, sector, E, the stationary jaw, J, and adjustable jaw, K, when arranged to operate in combination with the eccentries, G G G d, the said parts operating together in the manner and for the purpose set forth. Second, I also claim in combination = Second, I also claims in combination with frame, B, sliding bed late, C, rack, D, and sector, B, the punch stock, H, punch 1, die stand,

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F, and die, N, when the several parts are arranged in the manner and for the purpose specified.

36,373.—Edward Shore, of Conshohocken, Pa., for Im-provement in Knitting Machines: I claim driving the stripper wheel of a rotary knitting machine, and if desired the jamaing and loop wheels by means of gearing from the main shaft of the machine, substantially as herein set forth for the purpose specified. e purpose speci

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36,374.-A. J. Simpson and J. B. Currier, of Lowell,

b,374.—A. J. Simpson and J. B. Currier, of Lowell, Mass., of Improvement in Lamp Burners: We claim the fanch, G, having the cylinder, F, attached, the latter sing fitted on the cone or deflector, D, as shown, so that it may turn rely thereon, and at the same time be prevented from being casually each ed, in combination with the two openings, g), made respect-ely in the come and cylinder, all arranged as and for the purpose neefied. We

specified. We further claim providing the flanch, G, with two curved slots, e e, and ilps, c c, substantially as shown for securing the chimney to the flanch, and at the same time admit of the expansion of the chim-ney under the heat of the flame, as set forth.

This investion relation in the name, as set to the [This investion relates to an improved lamp burner of that class in which provision is made for lighting the wick without **removing th**e chimney from the burner; the device is a simple and **efficient** one for the purpose.]

36,375.-W. E. Smith, of Port Washington, Wis., for Im-provement in Apparatus for Cleaning Wells: I claim the box, A, attached to the extension shaft. E, and provided with the shovel or scraper, F, spur, I, and gate B, all somblued and urranged to form a new and useful article or device, for the purpose ipecified. 36,375

[The object of this invention is to obtain a simple and efficient de-

vice by which wells may be thoroughly cleaned without persons dascending into them, and thereby avoid much hard and disagreeable labor, and accidents which frequently occur in consequence haling the poisonous gases within the wells.] of in-

36,376.—Robert Spencer, of Brooklyn, N. Y., for Improved Harness Saddle :

Harness Saddle : I claim the combination with the bearings, A A, when constructed of wood, and covered with felt or other fabric, so as to do away with the usual method of stuffing, of the elastic metallic plate, B, and the elastic strip, C, or either of them, in the manper and for the purpose substantially as herein shown and described.

substantially as herein shown and described. 36,377.—Charles H. Waters, of Groton, Mass., for Im-provement in Looms for Weaving Wire Cloth: First, I claim the drawing of a shoot of filling wire, while the shutle is in its box, substantially as described. Second, I claim the holding of the shoot of filling wire, after it has been drawn from the bobbin, until it is drawn or thrown inte the open shed of the warp by the shuttle, substantially as described. Third, I claim the use of the fly shuttle, in throwing a shoot of filling wire after it has been drawn and held, substantially as de-scribed.

scribed.
36,378.—Seth Wheeler, of Albany, N. Y., for Improvement in Links for Horsepowers:
I claim the supporting link, E, or its equivalent, applied to the studs or journals, C C', for the purpose of distributing the weight or strain on both sides of the wheels, D D', substantially is and for the purpose specified.

36,379.—S. A. Wheelock, of Charlton, Mass., for Improve-ment in Churns :

ment in Churns: I claim the above described mode of operating churns when con-structed and operated in the manner and for the purposes as above set forth and described.

36,380.—Joseph White and Angus Agnew. of Philadel-phia, Pa., for Improvement in Coal Oil Lamps: Weelsim the spreader, having in its top, a, an elongated opening and mellined or curved strips extending from the ends of the said opening to the upper edge of the wick tube, the whole being applied to the wick tube or cap of a coal oil lamp, as set forther the parpose

36,381.-W. H. Willard, of Cleveland, Ohio, for Improve-

ment in Boots : I claim one or more pockets constructed and arranged as described, n combination with the boot, for the purpose specified.

36,382.—A. I. Ambler (assignor to himself, R. N. Ambler and W. Martin), of Milwaukie, Wis., for Improvement in Car Coupling : I claim, first, Providing the draw bars, A. with sockets, b. extend-ing entirely through them from side to side, to admit of the lateral in-sertion of the link or shackle, C, as and for the purpose herein set forth.

sertion of the link or shackle, U, as and for the purpose herein set forth. Becond, The keys, d, fitsd in the lower parts of the pin, E, in com-bination with the slote, e, and recesses, f, in the draw bars, as and for the purpose specified. Third, The securing of the links or shackles, C, in the draw bars, A A, by means of the links, D, and bolts, C, when used in connection with the societies, b, extending entirely through the draw bars from side to side, as set forth. Fourth, Adjusting the draw bars, A, vertically at their outer ends to suit cars or platforms of different hights by means of eccentrics, remains or their equivalents, placed on shafts, and having the draw bars resting on them, and operating or turned by means of cranks or gearing, as set forth. Fifth, The combination of the sockets, b, links or shackles, C, and for the purpose set forth.

sure purpose set form. 5,383.—P. S. Boothby (assignor to J. W. Brooks and Warren Soule), of Biddeford, Maine, for Improved Fastening for Gaiter Boots: I claim the clasp, B, with its connecting link, C, or its equivalent; be used in connection with the cords, D and E, loop, G, and corded raised edge, F F, constructed and arranged in the manuer and for e purpose as specified.

36,384

purpose as specified. 384.—G. W. Lockwood (assignor to Horace Carpenter and Company), of New York City, for Improvement in Skeleton Skritts: Islaim the arrangement of the cords, C and D, relatively to each ir and to the hoops, substantially as and so as to produce the effect re described.

above described.
36,385.—Franz Vester, of Pforzheim. Grand Duchy of Baden, assignor to Charles Wagner, of New York City, for Improved Device for Protecting the Soles of Boots and Shoes:
I claim the employment of the thin hardened plates or washers with rivets connecting them with the soles of boots and shoes, sub-stantially in the manner and for the purpose set forth.

36,386.--C. W. Cahoon, of Portland, Maine, for Improve-ment in Lamps: I claim the combination of the lamp head and handle, substantially as set forth.

et forth. also claim the combination of the lamp head, handle and vibrate-ohimney holder, fitted with chimney fastenings, substantially as

REISSUES. 87.—M. Easterbrock, J. M. Wood and E. A. Brownson (assignees of said Easterbrock and Wood), of Geneva, N. Y., for Improvement in Machines for Peeling Wil-lows. Letters Patent No. 34,201, dated January. 21,

able oninney nouter, nice with commer neutrons, outstantian, so set forth. I also claim the combination of the U-spring, chimney, fastening and tongue, substantially as set forth. I also claim the combination of a corrugated air screen and de-flector, substantially as set forth.

1,337

Third, Also the combination of the presser wheels D and F, yield g scrapers, m, revolving brushes. M, and the discharging rollers, N ranged.as and for the uprovess specified.

Ing serapers, m, revenue prusses, M, and the discharging rollers, N arranged as and for the purposes specified.
 1,338.—Heary Jenkins, of Brooklyn, formetly of Potts ville, Pa., for Improvement in Wire Fences, Letters Patent No. 6, 106, slated February 13, 1849:
 I - minn first. An iron fence or other article formed by the combination of woven wires articles, with grooved bars surrounding the same and receiving the same and receiving the same bid the wires or rolds to the wires or rolds to the wires transplated wires or rolds to different certain the same bid bid wires the same bid the wires the same bid the wires transplated wires or rolds to

of the wire is maintained except at the points where, the wires cross, as specified. Fourth, I claim crimping wires or rols at different or irregular dis-tances along their lengths, in orMer that said wires or rols, when woven together, shall form open fron work with meshes of different shapes, substantially asset forth. Fifth, I claim wires or rods crimped in opposite directions, and formed with bends between the crimps at right angles to them, and woren bogether as specified, wherefy the crimps section each other at the points of intersection, and the nforesaid bends regulate the shape of the meshes, as set forth. Sixth. In combination with the iron work formed by wires or rods gether, as specified.

erimped and waven together, as set forth, I claim the rods twisted together, as specified.
1,339, -J. M. Allen, of Fredericktown, Ohio, assignee of Newman Silverthorn, of Prescott, Wis., for Improved Boot and Shoe Tin. Letters Patent No. 26,329, dated Normber 29, 1859:
Trist, I claim a up as an article of manufacture formed into sharv, for such a manuer as to allow of us being applied and instened to the upper and the sole, substantially as herein before described and far the sole, substantially as herein before described and far monoir, formed of a material different from and that will present of the share bot tips as an independent device and marketable gravier durability and reseasce to wear than that of which his is intended to be applied as independent device and marketable or boot to which his intended to be applied as independent device and marketable or boot ow which are in being part of the upper, and wherehy it may be at a ched to be applied as independent device and marketable or boot to which his intended to be applied as independent device and marketable or boot to which his intended to be applied as made, such up being and to such permanent form as to lap over and under the toe part of the upper, and wherehy it may be at a the too to a shee by securng it at its base between the sole and unper, and without sewing to the upper; substantialy as herein de-cribed.
Third, The production as an article of manufacture of a shoe or shoe story shoes by sewing to be applied as independent device it applicable to be applied as the sole, sub-tantally as herein de-criber or guita percha compound, as the when vulcanized it shall be of a mark or less sout, likelide and the sole of any other material that will reder it applicable to boot so is shoes by sewing to he does to boot or shoe by severe the upper and the sole, sub-tantally as herein be an and the sole, sub-tantally as herein be applied at a point be to boot or shoe by severe to boot of the upper and the sole, sub-tantally as herein be applied at the upper

DESIGN.

1,654 .- W. L. Washburn, of Springfield, Mass., for Design for a Burial Case.

Out of the sixty-two patents reported above (the issue of a sing week), TWENTY-IWO of the number were solicited through the Scientif American Patent Agency.

BLACKWOOD'S MAGAZINE. Published by Leonard Scott & Co., Gold street, New York City.

The last number of this able periodical contains the "Chronicles of Carlingford" continued, and a most able essay by Bulwer "On the Moral Effects of Writers." Several other articles are very interest especially a review of the ten years' rule of Louis Napoleon.

PATENTS FOR SEVENTEEN YEARS.



The new Patent Laws enacted by Congress on the 2d of March, 1861, are now in full force, and prove to be of great benefit to all parties who are concerned in new inventions.

The duration of patents granted under the new act is prolonged to swummer years, and the governmentfee required on filingan appli cation for a patent is reduced from \$30 down to \$15. Other changes dessfall

Le lesale also made as i ono of the	
On filing each Caveat\$10	
On flingeach application for a Patent, except for a design \$10	
On issuing each original Patent\$20	
On appeal to Commissioner of Patents\$20	
On application for Re-lasue\$30	
On application for Extension of Patent	
On granting the Extension\$50	
On filing Disclaimer\$10	

On filing application for Design, three and a half years.. On filing application for Design, seren years... On filing application for Design, fourceen years....

the United States-thus allowing English, Freuch, Belgian, Austrian Russian, Spanish, and all other foreigners except the Canadians, to enjoy allthe privileges of our patentsystem (except in cases of designs

on the above terms. During the last sitteen years, the business of procuring Patents for new inventions in the United States and all foreign countries has been conducted by Messrs. MUNN & CO., in connection with the publica-tion of the SCIENTIFIC AMERICAN; and as an evidence of the sonfidence reposed in our Agency by the Inventors throughout the soundry, we would state that we have acted as ageuts for more than FIFTEEN THOUSAND Inventorsi In fact, the publishers of this paper have become identified with the whole brotherhood of Inventors and Patentees at home and abroad. Thousands of Inve whom we have taken out Patents have addressed to us most flatterin whom we have taken our ratents have additioned to the most of the second testimonials for the services we have rendered them, and the wesith which has inured to the Inventors whose Patents were second through this Office, and afterward illustrated in the SCIENTIFIC through the once, and attended in maximum of the olders! We would AMEBICAN, would amount to many millions of dollars! We would state that we never had a more efficient corps of Draughtsmen and Specification Writers than are employed at present in our extensive Offices, and we are prepared to attend to Patent business of all kinds in the quickest time and on the most liberal terms.

The Examination of Inventions.

Parsons d an idea which the rersons having conceived an idea which they think may be patent able, are advised to make a sketch or model of their invention, and submitit to us, with a full description, for advice. The points of novely are carefully examined, and a reply written corresponding with the facts, free of charge. Address MUNN & CO., No. 37 Park-row, New Fork

Preliminary Examinations at the Patent Office The advice we render gratuitously upon examining an invention dwei notextend to a search at the Patent Office, to see if a like invention has been presented there, but is an opinion based upon what knowledge we may acquire of a similar invention from the records in our Homm Office. But for a fee of \$5, accompanied with a model or drawing and we may acquire of a winning internation in our income to the second and the office. But for a fee of \$3, accompanied with a model or drawing and tescription, we have a specialsearch made at the United States Patent Hilce, and a report setting forth the prospects of obtaining a Patent the prospects of bott and a report setting of a the prospects of bott ing a rate in ze, made up and mailed to the Inventor, with a pamphlet, giving in-structions for further proceedings. These preliminary examinations we made through our Branch Office, corner of F and Seventh-streets, we made through our Branch Omee, corner of r and Seventhatters, Washington, by experienced and competent persons. More than AUU such examinations have been made through thisoffice during the pastthree years. Address MUNN & CO., No. 37 Park-row, N. Y. How to Make an Application for a Patent. Every upplicant for a Patent must furnish a model of his invention

f susceptible of one; or if the invention is a chemical production, he nust turnish samples of the ingredients of which his composition consists, for the Patent Office. These should be securely packed, the inventor's name marked on them, and sent, with the government frees by express. The express charge should be prepaid. Small models from a distance can often be sent cheaper by mail. The safest way to remit a distinct can be used to sent charger by man. The sates way to that a noney is by draft on New York, payable to the order of Muuu & Cor-Persons who live in remote parts of the country can usually purchase iraits from their merchants on their New York correspondents; but, it aot convenient to do so, there is but little risk in sending bank bills by mail, having the letter registered by the postmaster. Address MUNN & Co., No. 37 Park-row, New York.

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Personsdesiring to file a Caveatcan have the papers prepared in the shortest time by sending a sketch and description of the invention I'he government feefora Caveat, under the new law, is \$10. A pam phetofadviceregarding applications for Patents and Gaveats, in Eu-glish and German, furnished gratis on application by mail. Address MUNN & CO., No. 37 Park-row, New York.

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Inventors will do well to bear in mind that the English law does not limit the issue of Patents to Inventors. Any one can take out a Patent there

Circulars of information concerning the proper course to be pursued in obtaining Patents in foreign countries through our Agency, the re quirements of different Patent Offices, &c., may be bad gratis upon ap plication at our principal office No. 37 Park-row, New York, or eithe of our Branch Office

Rejected Applications.

We are prepared to undertake the investigation and prosecution of re includes, on reasonable terms. The close proximity of our Wash ington Agency to the Patent Office affords us rare opportunities for the examination and comparison of references, models, drawings, doct wents, &c. Our success in the prosecution of rejected cases has been very great. The principal portion of our charge is generally left do dent upon the final result.

All persons having rejected cases which they desire to have prose An personal maximg rejected cases which they desire to have prose cuted are invited to correspond with us on the subject, giving a brief storv of the case, inclosing the official letters, Δc .

Assignments of Patents.

The assignment of Patents, and agreements between Patentees nanufacturers, carefully prepared aud placed upon the records at Patent Office. Address MUNN & CO., at the Scientific American Pat entAgency, No. 37 Park-row, New York. It would require many columns to det

umns to detail all the ways in which the Inventor or Patentee may be served at our offices. We cordially invite all who have anything to do with Patent property or inventions to call at our extensive offices, No. 37 Park-row, New York, where any questiona regarding the rights of Patentees, will be cheerfully answered.

Communications and remittances by mail, and models by express (prepaid), should be addressed to MUNN & CO., No. 57 Park-row, New York.



- J. K., of Ind.-You can unite water and oil permanently ating the mixture and adding a little soda or oth will combine with the oil to form soap, which will be dissolved in the water.
- J. W. H., of Iowa.-The small piece of grit which you have sent us, is a mixture of clay and a little silica colored vellow with the oxide of ron. D. B. J., of Ohio.—We have no reliable information in re-
- gard to the air engine which is said to be in progress in Russia. Or dinary inventions made abroad are often much magnified in their passage across the ocean.
- H.C., of Mass.-White iron is supposed to contain less bon than any other pig iron. It is unfit for casting, as it is netimes so thick when melted, as to be incapable of running into molds. It is very brittle, but while it may be very easily broken by the blow of a sledge hammer, it is so hard that it can with difficult, be cut with a cold chisel. Its fracture is silvery white, sbining, and smooth in its texture. When the color of pig iron is a uniform grey it is a sign that the metal is tough, if it has also a high metallic luster J. R., of Ohio.-Your description of your machine that actualiv flies will appear next week

- E. N., of Mass.-Wood does not rot when immersed in water, nor, with the exception of occasional dryrot, when kept in the dryair. Neither does it decay when kept at a temperature below the freezing point of water, but in moist warm ar its decay is most rapid, and this seems to have been the situation of your
- S. G. A., of N. F.-There is no city in America supplied by water through pipes where the pressure of the water is applied to drive wheels, and operate cranes on docks to load and unload vessels. Small turbine wheels may be built to be applied for such pur-poses by several of our millwrights. In Newcastle, England, water power is employed to operate cranes through hydraulic piston en-gines. Any eity like Sk. Johns, N. F., which has such a pressure of water in the pipes, as 240 pounds on the square inch, may have manufactories driven as well as vessels loaded and discharged by hy-draulic power. We are not acquainted with any machinist who will build engines similar to those used in Newcastle.
- J. D., of C. W.-Machines were used for cutting grain by the ancient Gauls before the Christian era. A rotary grain reaper was tried in England in 1779, and one in Scotland in 1806 by Mr. Gladstone, of Castle Doughs. In 1815, the Highland Scciety of Scotand awarded Mr. Smith, of Deanstown, a prize of fifty guineas for the successful exhibition of a rotary mowing machine, which was found very effective in cutting the grass on smooth lawns. It was drawn by two horses, and cut au acre of grass, on one occasion, in one hour. A patent was granted in 1905 to Samuel Adams for the first American reaping machine. You will find an illustrated history of reapers in Vol. X. (old series, 1854.) SCIENTIFIC AMERICAN.
- W. H., of L. I .- Your account of the manufacture of menhaden oil is crowded out this week but will appear in our next num-These descriptions of the mode of conducting any manufac tures or other operations are always acceptable.

Money Received

At the Scientific American Office on account of Patent Office business, from Wednesday, Sept. 3, to Wednesday, Sept. 10. Persons having remitted money to this office will please to examine this list to see that their initials appear in it, and if they have not received an acknowledgment by mail, and their initials are not to be found in this list, they will please notify us immediately, and in-form us the amount, and how it was sent, whether by mail or ex

H. A. H., of N. Y., \$25; W. L. L., of Mass., \$15; B. & S. & J. M., D. A., 15; G. & H., of Ill., \$15; R. H. J. of Ill., \$15; J. MeN, of Pa., \$15; J. B. R., of N. Y., \$25; W. H. K., of Mass., \$50; D. H., of N. Y., \$10; J. B., of N. Y., \$22; J. J., of N. Y., \$15; P. J. B., of Pa., \$25; L. F. H., of N. Y., \$15; J. W. G., of Mass., \$25; J. J. H., of Ky., 325, L. F. H., of N. I., \$15; J. W. G., of Mass., \$25; J. S. H., of Ky.,
\$15; C. W. C., of Mich., \$15; H. & A., ot III., \$15; J. & S., of III., \$26;
A. T. F., of N. Y., \$30; C. & P., of Conn., \$25; G. D. H., of III., \$25;
A. Y., of Ohio, \$25; E. S., of N. Y., \$15; H. S. R., of N. Y., \$25; J. B., of
T., of Mass., \$25; C. G., of Mass., \$15; N. R., of N. Y., \$25; J. B., of Ind., \$25; A. J. B., of Iowa, \$20; H. & D., of Iowa, \$45; H. N. G., ot N. Y. \$20; R. R., of N. Y., \$20; N. Z. P., of Ill., \$20; W. T. S., of Mo, \$20; S. R. S., of Ohio, 20; I. M. B., of N. J., \$20.

Specifications and drawings and models belonging to parties with the following initials have been forwarded to the Patent Office from September 3 to Wednesday, September 10, 1862-I. R. P., of N. Y.; T. F. R., of N. Y. (2 cases); T. H., of N. Y.; W.

F. of R. I.; H. A. H., of N. Y.; W. & F., of W. T. (2 cases); F. G., of Mich.; P.J. B., of Pa.; J. W. G., of Mass.; A. Y., of Ohio; C. P., of Conn.; G. D., H., of Ill.; J. M. D., of N. Y.; G. T., of Mass.; N. R., of N. Y.; H. S. R., of N. Y.; H. & D., of Iowa; J. B., of Ind.

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tion which has been patented within thirty years, can obtain a copy by addressing a note to this office, stating the name of the patee and date of patent, when known, and inclosing \$1 safee for ring. We can also furnish a static of any patented machine issue is 1853, to accompany the claim, on receipt of \$2. Address MUNN copyi & CO., Patent Solicitors, No. 37 Park Row, New York.

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