THE ATLANTIC CABLE.

A correspondence has just been published by F. N. Gisborne, in relation to the origin of the Atlantic Cable, the conception of which, he states, was his, as well as a great part of the labor required before capitalists would even take the matter into consideration. We think the statement of Mr. Gisborne is very likely correct, but the credit due to Mr. Field is, that mainly through his perseverance the enterprise became a success.

It is announced that a submarine cable is to be laid next year, connecting the coast of France with this country. It is in the hands of Mr. Erlanger, the celebrated banker, and Mr. Reuter, who enjoys considerable notoriety for his sensation telegrams.

PLANCHETTE.

We have received a large number of readable communications, claiming to explain the mysteries of Planchette-fair examples of which have already appeared in our columns. The whole discussion, thus far, is chiefly speculative, always tending to religious and spiritualistic notions.

We fail to discover any substantial benefit to be gained from a continued discussion of this subject. We therefore drop it until some more reasonable explanation is put forth. We never did believe very much in the operations of ghosts and spirits, therefore it is hard for us to conclude that the little three-legged stool, provided with a pencil, and called "Planchette," has anything whatever to do with spirits. It is simply an amusing plaything.

OFFICIAL REPORT OF PATENTS AND CLAIMS

Issued by the United States Patent Office.

FOR THE WEEK ENDING JULY 28, 1868.

Reported Officially for the Scientific American.

\$30 \$50 \$50

PATENTS ARE GRANTED FOR SEVENTEEN YEARS, the following being a schedule of tees: -

- being a schedule of tees: --On uling each Caveai. On sping ach application for a Palent, except for a design... On sping each original Patent. On application for Reisenc. On application for Reisenc. On application for Reisenc. On application for Reisenc. On strating the Extension of Patent. On sing a Disclaumer. On fing a Disclaumer. On fing application for Design (three and a half years). On first application for Design (force and a half years). On first application for Design (force and a half years). On first application for Design (force and a half years). On first application for Design (force and a half years). On first application for Design (force and a half years). On first application for Design (force and a half years). On first application for Design (force and a half years). On first application for Design (force and a half years). Disclaumer for Design (force and a half years). On first application for Design (force and a half years). Disclaumer force and force and force and a half years). Disclaumer for Design (force and force and fo

- In addition to which there are some small revenue-stamp taxes. Residents

of Canada and Nova Scotta pay \$500 on application.

Pamphlets containing the Patent Laws and full particulars of the mode of applying for Letters Patent, specifying size of model required, and much other information useful to Inventors, may be had gratis by addressing MUNN & CO.. Publishers of the Scientific American. New York.

80.264 - NEEDLE FOR KNITTING MACHINES.-Ransom Allen,

Salem, Mich. 1 claim the movable shank, b, attached to the body of a knitting machine ner die, and operated substantially as and for the purpose herein described. 80,265.—STEAM GENERATOR.—Jonathan Amory, West riox-

bury, Mass. land, 1st, The combination of the heating curve and its Dipe or Dipcs for receiving air, with the fire box of the boller, arranged and operating sub-stantially as described. 2d, The combination of the heating curve and its pipe or pipes for receiv-ing air, with an air chamber, K, arranged and operating substantially as de-the combination of the heating curve and its pipe or pipes for receiv-ing air, with an air chamber, K, arranged and operating substantially as de-the combination of the heating curve and its pipe or pipes for the combination of the heating curve and its pipe or pipes for the combination of the heating curve and its pipe or pipes for the combination of the heating curve and its pipe of pipes for the combination of the heating curve and its pipe of pipes for the combination of the heating curve and its pipe of pipes for the combination of the heating curve and its pipe of pipes for the combination of the heating curve and its pipe of pipes for the combination of the heating curve and its pipe of pipes for the combination of the heating curve and its pipe of pipes for the combination of the heating curve and its pipe of pipes for the combination of the heating curve and its pipe of pipes for the combination of the heating curve and its pipe of pipes for the combination of the heating curve and the pipe of pipes for the combination of the heating curve and the pipe of pipes for the combination of the heating curve and the pipe of pipes for the combination of the heating curve and the pipe of pipes for the curve and the pipe of pipe of pipe of pipes for the curve and the pipe of pipe of

scribe-1. 80,266.—Shutter and Window Fastening.—Wm.L.Barnes,

Irvington, N. Y. intedated July 11, 1868. I claim the boit, F, constructed as described, and secured to the innerside of the sask, A, arganged in relation with the blind hasp, a, and staple the blind osing held closed when the sash is raised, and locked by the boit, F, pasing through the staple showether hasp, a, when the sash is lowered, which movement also locks the sash, as herein shown and described.

movement also locks the sash, as here in shown and described. 80,207.—MANUFACTURE OF CARRIAGE SHAFT COUPLINGS.— Henry M. Beecher (assignor to H. D. Smith & Cu.), Plant.ville, Conn. I claim the above described process or method of making the shaft connec-tion blank, the same consisting in orming it with the head part, A, and the shark, B, and subsequently cuting it turougn on the lines, e, and finally beach grid to really a real of the shart o

beuding the portions, it, around into right or nearly right angles with the shank part, B. Also, the machine, substantially as discribed, for creasing or cutting the blank, and bending the portions, ft, of it around into or nearly into right angles with the shank, such machine being composed of the bed plate and standard, the two levers, the follower, and the two pairs of creasers or cut-ters, the whole being arranged forus in manner as specified. 80 268.—APPARATUS FOR CARBULGETING GAS AND AIR.— Alonge T. P. on and Albert D. Parry, Calgeburg, 10

Alonze T. Boon and Albert D. Perry, Galesburg, 11. We claim the emery receptacle, F. when combined and arranged with float (screw red, H value, m, pipe, N, sud pipe, a, substantially in the manner nd for the purpose as hereinghown and described. and for the purpose as hereinghown and described. 80,26J.—TUCK CREASER FOR SEWING MACHINES,—Edward

80,26.J.—TUCK CREASER FOR SEWING MACHINES.—Edward Bostock, Albany, N. Y.
I clain, is., A tuck creasing device constructed substantially as described, in combination with the plate, A, and gage plate. D, both constructed and arranged substantially as described, and the plate, D, serving to contine A to the code plate, as set forth.
2d, A gage plate or guide for a sewing machine, when provided with an a justable place, I, having a slot, as and for the purpose set forth.
3d, The gage plate or guide for a sewing inactine, when provided with an a justable place, I, having a slot, as and for the purpose set forth.
3d, The gage plate or guide for a sewing inactine, when provided with an a djusting the apparatus in any desired position relatively to the needle and feeding device of different machines by means of a single screw.
4th. The tuck creaser and gage plate for use with or without a sewing machine, when the whole is constructed as described.
30 270 — Tuck (DERASER FOR Sewine Maccunes — Edward)

-TUCK CREASER FOR SEWING MACHINES.-Edward 80.270

80,270.— 10Ch OREADER FOR CLARING devices, of a sliding Bostock, Albany, N. Y. I claim, ist. the combination with the tuck creasing devices, of a sliding weige, eccentre, or a slide and lixed inclined plane, on the base plate, sub-stantially as and for the purposes now n and described. 2d, in combination, the spring arm, and its creasing and pressure adjusting devices, and the fixed stand or yok., E, substantially as and for the purpose

Scientific American.

bimself and Bennett F. De Witt, Indianapelis, Ind. I ciaim the addition, D. separated from the free chamber by the partition, G, and subdivided inter compartments. H J, by the partition, I, as set forth, and, in combination therewith, the irduction ripe, E, eduction pipe, F, and chamber, L, arranged substantially as set forth. chamber 80.276.

chamber, L. arranged substantially as set forth. 80,276.—MACHINE FOR UNLOADING RAILROAD CARS.—John D ble, Chicago, Ill. claim, 1st, A swing frame of a Car usloading inachine, provided with head plates, B having convex suffaces presented to the sides of pulleys, C C, which are perforated and otherwise constructed substantially as described. 2d, Projections, h. adapted to gerve as guards or fenders for pulleys ap-plied to the swinging frame of an unloading machine, substantially as de-scribed.

erforated guards, h, perforated pulleys, C C, and convexsurface bead , B B, applied to the swing frame of an unloading machine, substan-as described.

80,277.-Hop Hook.-Elon Denio, Baldwinsville, and Elon

80,277.—HOP HOOK.—LIOH DEHIO, DAIGWHISVIIE, and LIOH G. D.vio, New Hartford, N. Y. We claim, 1st. The hep cultivator formed of the bee or hook, combined with the kinde, substantially as and for the purposes specified. 2d, The ferrule, with the rai-ed projections or eurs, and slot, or their equivalents, for securing the Linfe in place, in combination with the hee or book, of one or more times, substantially as and for the purposes of forth. 80,278.—STOPS FOR FORE-AND AFT SAILS.—Jacob Edson

Boston, Mass. I claim the arrangement and combination of the saddle, D, with the spring's. H H, theirrods, A. and the sliders, F' F. connected with the ring, E. Also the arrangement and combination of the arehed and annuar links, G G b b, and the arms, a' a', with the ring, E, and the sliders, F, and springs, H. a pplied to the rod or bar, A, extending between them and from abut-ments, B L, as set forth. 80.279 — FURNACE FOR TREATING ORES.—Samuel H.Folsom, Winchester Mass oston. Mas

Winchester, Mass. Iclaim a series of two or more revolving tables placed within a furnace, A, and operating survisativity as described, for the purpose herein set forth. Also, the revolving Cylinders, m n o, with their included guides, in combi-nation, which the flue, G, operating substantially as described, for the purpose

set forth. Alse, a central deflector, O, applied to a table, C or D, for the purpose of more thoroughly distributing the flame over its surface, substantially as set

Hore there derived in a static state of the there is a 'b', in combination with a revolving table, C or D, sub-tantially as described. Also, the scrippers, f', on the under surface of a table, C or D, in combination with a projection with a projection g eige or shell, e', beneath the table, substantially as and for the purpose set forth.

tion with a projecting eige or sbell, e', beneath the table, substantially as and for the purpose settert. 80,280.—STOVE AND FURNACE GRATE.—Bartholomew Gom-menging, r and Chas. W. Trotter, Recliester, N. Y. We claim, ist. The grite, a when constructed and operated in the manner and for the purpose specified and operated in the manner and for the purpose specified. 80,281.—LAMP BURNER.—Richard Gorsline, Mochester, N.Y. 1 elaim the combination of the open frame, D, and transparent bottom plate, G, when arranged in commection with the removable cone, H, and frame frame, t, the whole as hereinset forth. 80,282.—LAMP CHIMNER.—John Gracie, Pittsburg, and Rob-ert H. Boyd, Hulton Station, Pa. We claim, ist, Providing a lamp chimney with an elliptic flange, substan-tially as herein described. 2d. In combination with the above, a lamp top provided with a flange, por-tions of which project in wird for the purpose of catcuing, grasping, and holding the chimney in pasition, the conteur of said finge corresponding and the lamp of the flange of the lamp chimney, substantially as herein described. 80 283.—MACHINE FOR PRODUCING A RECIPROCATINE MO-

80 283.-MACHINE FOR PRODUCING A RECIPROCATING MO-

80 283.—MACHINE FOR THODUCING A KECIPROCATING MOTION IN ENITING MACHINES, ETC. -Serimus Haslam, Jr., New Britain, Conn., assignor to binself and John B. Talcutt. laim, ist., The combination with the shaft, b, of the sleeve, d, earrying the clutch and whe els, f f', and the collar, k, and collar, i, on the shaft, and clutch, no rits equivalent, substantially as described. 2d. Thegears, f f', arranged upon the sleeve, d, in combination with the clutch, e, plate, q, npon the shift, e, and chain, v, for the purpose substantially as described. 80, 284 — CteAR.—Frederick L. Hilbright, Newark, N. J., assigned to be a substant and many for the substant.

signor to humself and Chas. E. Woodman. Boston, Mass. I claim the combination and arrangement of the foraminous ferrule or cap with a cigar, the same being substantially as explained and represented. 80,285.—ADDRESS PRINTING MACHINE.—Henri Julien, Otta-

80,283.—ADDRESS I REFINE AND ADDRESS I ADDRESS

80,286.—MACHINES FOR DRESSING STONES.—Francis L. King, Worcester, Mass.
I chim, ist, The peculiar construction of the self-adjusting frame, with its shaft, gears, grooved racks, and set screw, B. when constructed and operating substantially as and for the purpose specified.
3d, The cartage, A. spindle, B. or its equivalent, apron, H. constructed and operating substantially as and for the purpose specified.
3d, The turks, F and L, shaft, K. constructed and operating substantially as and for the purpose specified.
3d, Grears, F and L, shaft, K. constructed and operating substantially as and for the purpose specified.
3d, The purpose specified.
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3d, The probase specified.
3d, The purpose specified.

bon is produced, a range of the hopper, R. hollow shaft, N. the grinder box. M. 6'h, the combination of the hopper, R. hollow shaft, N. the grinder box. M. with the carriage, A. with its various bearings, constructed and operating substantially as and for the purpose specified. 80,287.—MANUFACTURE OF CICARS.—William C. Kneeland,

80,289,—TABLES, BENCHES, ETC.—David S. Leavitt, Grand

Solution of the applied and used in the manner and for the purposes to an add described.

cu.sou.—Oat DirakE.—Oamuel M. Lee, New Lon(lon, lowa. I claim, in combination with an independent piston, d, the arrangement of a forked bar, b, with the Ender, and a angle bar, c, with the car, f:r operat-ing sad bar, c, at either end, substantially as and for the purpese described. 80,291.—TEETH FOR GEAR WHEELS.—John Letskus, Alle-gheny City, Pa, assignor to bimself and Richard Brown, Youngstown, Uhio.

Unio, the upper and lower dges of which are arcs of curves of equal radius, having their centers in he same right line, constructed substantially as and for the purpose here infore described.

80,292.—Rose Engine Lathe.—Thomas Lippiatt, New York

80,292.—ROSE ENGINE LATHE.—Thomas Lippiatt, New York city. Antedated July 11, 1863.
I claum, ist, The arrangement of the swinging frame, H, carrying a tracing pin, e. or an equivalent device, the vertically sliding die or pattern, J, mandrel, K, and engraving tool, d, engretatus zubstantially as herein us specified.
2d. The arrangement of the revolving die or pattern, N, the swinging frame O, and tool box, F, operating zubstantially as herein de corbed.
3d. The combination of the server Nod. S, and shaft. L, with the sleeve, M, and the N, substantially as herein de corbed.
3d. The combination of the server Nod. S, and shaft. L, with the sleeve, M, and the statist d'a herein specified. For siring a lateral progressive movies shald die the two loss. F, operating substantially as herein specified.
80,293.—TELEGRAPH INSTRUMENT.—George Little, Hudson City, N. J.

(b), 50.50.50.50.100 (http://www.station.com/biological and the service of the

4th, Providing a still for hydrocarbons with a valve, which will act from an aternal or external pressure, substantially, as herein described and for the

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Internal or exté nal pressuré, substantially, as herein described aud for due purpose set forth. 80,295. —BoLT. —Benjamin F. Lotridge, New York city. I claim, in combination with the slotted case, B. the bott. C. tougue piece, G. set server, H. and spring, D. when the same sual be constructed and oper-ated sunstantially as described for the up obsesspecified. 80,296. —FRUIT J AR — W. W. Lymain, West Meriden, Conn. I claim, 1st, The combination off angecap, f. baving incline or wedge ele-vations upon its outer edge, g. with a gas et seat. d. gasket, c. yoke, h. and ring, b. substandaily as and for the purpose described. 2d, The combination of thange cap, f. elevations, g. yoke and pin, h i, with the gasket and seat, e. d. substantially as and for the purpose described. 80,297. —BUTTER DISH.— William W. Lyman (assignor to Meriden Britannia Company), West Merideu, Con. I claim the right and left hand serwe actuating fallerum, in combination with the cover, a'', and body, a, constructed and operating substantially as and for the purpose described. 80,292.—MACHNERF FOR MAKING PAPER BASS.—George H. Mallary, New York city.

80,298.—MACHINERY FOR MAKING PAPER BASS.—George H. Mallary, New York city. 1 claim, ist, The claim, formed of the bar. L, the shaft. K with its lags, t, when combined with the supporting bars, u, substantially as set forth. 2d, The claimp, formed of the sides, W and Y, and the juw, 3l, when com-bined with the folders, 66° and the caus, 55°, substantially as described. 3d, The cross head, Z. the folding blade. 15, and the pasting roller, 13, when combined and arranged substantially as described. 4th, The levers, D and E, the erank. e.c. the claimp formed of the bar, L, and the shaft, K, with its lags, t, and the claimp formed of the slides, W and Y, and the jaw, 31, all combined and operating substantially as de-scribed.

90,299.—MANUFACTURE OF ARTICLES OF SOFT RUBBER.— George W. Martin, (assignor to bimself and J. W. Haskins) Boston, Mass. lass. Jaim an elastic screw thread, substantfally as described.

30,300.—CANE SEAT.—George W. Martin (assignor to himself and J. W. Haskins), Boston, Mass. I claim a movuble cane seat, having sunken brarings, g. as specified, and so constructed as to be reversible, and present each side to the front, substan-80,300.

as and for the purpose described. 80,301. – PORTABLE ROOFS FOR HAY STACKS, ETC. – Thaddeus

Munson, 'anandaigua, N. Y. I claim the c mbination with the scettoria, A A', connected by hooks, a al az, of the bracing cleans, c c, at the top, and the cords, g s, at the boltom, parsing loosely through the fings, dd, and attached to the bars, f f, and stakes, h, the whole arranged as described, and operating in the manner and for the purpose set forth.

stakes, h, th. whole arranged as described, and operating in the manner and for the purpose set forth. 80,302.—1. AMP.—Person Noyes, Lowell, Mass. Antedated July11, 1868. I claim the use or application of a capor stopple, a, to the top end of the wick tube of a tamp which has an outer ja ket, sleeve, or other similar or analegous device, when said capor stopple is constructed and arranged to operate substantially as and for the purpose set, forth. 80,303.—ULLINARY APPARATUS.—William W. S. Orbeton, Bradford, Mass.

Bradford, Mass. I claim the improved brazier as connected with the main air supply open-ings, a a, etc., the auxiliary inducts, B B, etc., and the eduction openings, e e, stranged and combined together substantially in the manner and so as to operate as set forth. Also, in combination therewith, the annular register supporting plate, C, as put for the number described.

A iso, in combination therewith, the annular register supporting plate, G, as and for the purposes described. Also, the combination of the main and auxiliary air inducts, a B, the dis-charge openings, c the irre pot cover, D. the annular register supporting plate, C, the latter having a dome or cover applied to it in the manner and for the purpose as explained. Also, the combination of the hoop or band. F, with a brazier or cooking ap-paratus constructed in other respects substantially as set forth, the same be-ing ior the purposes explained.

10g for the purposes explained. 80,304.—MACHINE FOR MAKING KNITTING MACHINE NEEDLE

SHANKS.—JesseS. Perkins, Lake Village, N. H. I claim the combination of the friction jaws, de, or the equivalent thereof, and the dies and cutters, fg no o, arranged and provided with mechanism substantially as described, for operating them in the manner and for the pur-pose as specified.

80.305.—Hanging for Gates.—PeterRasar and D. J. Mayes. Illipopolis, III. We claim the rollers, d d', plate, c, and yoke, k, of a self-closing gate, when irranged in relation to each other and the rest of the gate, substantially as nd for the purpose specified.

30,300, --SMOT MILL, --- Archard Reducted and James I., Acc-ticld, Salem, ind. We claim, ist, The arrangement of the horizontal fan., J', blast spout, BB, branch spout, BI, parition.S', vibrating trough, Cg, and borizontal spirally slotted case, Ey, and borizontal beater, FJ, substantially as and for the pur-pose described.

pose described. 2d, The relative arrangement of the blast spout, B Bl B6 S', hopper, A, box, d', vibrating roughened surfaced trough, C, openings, f i', spout, D, hop-per, P, horizontal case, E y, horizontal heater, F J, passare, T, inclined spout, 11, vertical spout, T2, cap, H, and inclined receiver, H', substantially as de-scribed.

80,307.-MEASURING FAUCET.-Thaddeus S. Reeve, Chi-

80,307.—MEASURING FAUCET.—Thaddeus S. Reeve, Chicago, III.
I claim a measuring faucet, consisting of screw, A, stop, B, gate, D, cylin der, E, paton, F, and gage, H, arranged subscantially as dosorihed.
80,308.—Howse, Powser, M. A. Richardson, Sherman, N. Y. Iclaim, 1st. The friction brake, D, and nut, d, applied to the operating parts of a horse power, substantially as and to the driving whech 1, with the friction device. D d, in such a manor, as to be removable from the bed, either separately or log-cher, by the removal of the driving whech 1, with the friction device. D d, in such a manor, as to be removable from the bed, either separately or log-cher, by the removal of the out, d, as explained.
80,309.—PEAT MACHINE.—Marvin S. Roberts, Racine, Wis. Antedated July 14, 1868.
I claim, 1st, The digring apparatus, D, consisting of box. E, plunger, F, and endless chan, d, with buckets, H. I. combined and operating is described, and the whole secured to the boat, A. and provided with continuous automatic movement along the semi-circular curve, A', by means of double wheel, m, here, P, and stops, Q, substantially as been in set forth and specified.

In overlet, C. and Stops, G. substantially as here in set forth and specified.
3d. The perforated bucket. H. provided with the hinged bottom, F', and spring catch, c', in combination with the guides, b'', when arranged to operate as described.
4th, The serment-i gear, A' and A'', arranged as described, in combination with the full set forth and state states described.
5th, The cutting fange, T, of the outer pulley. S, of the flange, F, to cut peat in the bed, and to hus facilitate the operating the substantially as set forth.
6th, The grinder, Z, consisting of revolving toothed and furrowed plate, B'. provided with spire, D'D', and constructed as described, and operating the whole arranged and operating by furrowed concve, C', provided with toothed arms, o' o', and operating by means of set serves, p'', constructed as described and specified.
7th. In combination with the grinder, Z, the partially revolving hoor, E', provided with bag, F'', constructed as described and secure to the great conveyer, G'.
8th, The boat, A, constructed as described in some to the lag apparatus, in and grinder, Z, to be used on watery peat bogs, substantially as seriored as the orther to the great conveyer, G'.
8th, The boat, A, constructed as described in some to the great conveyer, G'.
8th, The boat, A, constructed as described in combination with digging apparatus, in and grinder, Z, to be used on watery peat bogs, substantially as seriored as the orther described.
8th, Stop and grinder, Z, bo be used on watery peat bogs, substantially as seriored as the provided and specified.

80.310.--THILL COUPLING--Clark Robinson, Fox Lake, Wis. Obj 0.-- I HILL COUPLING--CHARK KODINSON, FOX LARC, WIS. I claim the socket, D D in combination with the pivot, K laving a notch, M, the strap, A, and stop, E, substantially asset forth and shown. 80,311.--SAD IRON HOLDER.--U. H. Roth, Boston, Mass. I claim the guard, as mide with the lateral passages, e.g. a manged in it, and with latches, D D, to embrace the parts, d d, of the handle, and cover the massages, e.g.

and with latches, b D, to embrace the parts, d, of the handle, and cover the passages, e. Also, the combination and arrangement of themovablecovers, G G, with the guard, made with the slots, e.e., and provided with latches thereto, as set thereto. 80,312.-BED BOTTOM.--Isaac N. Sheets, West Jefferson,

Unio. I claim the combination of the colled springs, G, the tension rubber springs, N and the lung dievers I, substantially as set forth. 80,313.—BOILER FLUE PLUG.—William M. Sinclair, Balti-

30,306.

-SMUT MILL.-Richard Redfield and James H. Red-

stantially as and for the purposesnown and described.	I claim, 1st, The combination of a pen with a reservoir.	more. Md.
2d, in combination, the spring arm, and its creasing and pressure adjusting	2d. The combination of a pen, reservoir, and coil.	I claum the flanged tubular plug, C, constructed with a longitudinal slot or
devices, and the fixed stand or yok., E, substantially as and for the purpose	3d, The combination of a pen, reservoir, and coil, with paper properly	slots, f, between the lugs, e, at its inner end, and a circumierential slot or
setforth.	actuated.	slots, g, about in hue with the end of the slots, f, for use in combination with
Su, the tuck creaser and its gage plate, constructed with their coinciding	4th, The combination of a pen, reservoir, and properly moved paper.	the wedge or wedges, d. substantially as and for the purpose set forth.
slots at an angle to the creasing arm and line of stitching, a, described, so	5th, The combination of a pen, float, and reservoir, and all of these in com-	
that, when affixed to a machine oy means of the thumb screw and screw	bination with coil, and all of these also in combination with properly actu-	80314.—PLOW.—Daniel Smith, Cedar Falls, Iowa.
bore, and moved in a slaning direction for adjustment, the parallelism of	afed Daber.	Iciaim, 1st, A mold board for plows, which is made entirely of glass, sub-
the line of creasing with the line of feed may always be preserved.	6th, The combination of a pen and a reservoir, having an opening therein	stantially as described.
4(h). The devices herein described, the same constituting the tuck creaser,	for the protrusion of the pen, with a r-gnlating tube, and all of these in com-	2d. The combination of a glass mold board and a metal share, substantially
constructed as specified.	bination, first, with a float, second, with a coil, and third, with properly actu-	as described.
80,271,-CAR COUPLINGC. T. Burchardt, New York city.	ated paper.	3d, Securing aglass mold board to a plow frame, by means of clamps, a b,
1 claim, 1st., The car coupling composed of the hook, El. bearing piece, H.	7th. The combination of a pen with a reservoir of fluid and a permanent	or their equivalents, substantially as described.
links, G, and the spring frame, B, when connected with the main spring, C.	magnet property located, and all of these in combination, first, with a fleat,	4th, The construction of the side clamps, ab, with curved overhanging
all substantially as her cin described and for the purposes sp cified.	and second, with a coil. and thirdly, with both a coil and float.	lips, a' b', substantially as described.
2d, The beveled or double inclined bearings, a2 a3, arranged relatively to	8th The combination of a pen, a reservoir, and a coil, when the reservoir is	80,315.—CULINARY APPARATUS.—Volney M. Thomas, Bran-
the main spring, C, and springframe, B, and its connections, as and for the	vert caland provided with an opening at the bottom thereof, and the pen	don, Vt.
purposes herein specified.	passes through the opening, and the coil surrounds the vertical reservoir,	I claim the arrangement and combination of the steam chamber, A, con.
80,272 — HARVESTER.—H. K. Burnett, Poughkeepsic, N.Y.	and these parts thus relatively arranged in combination with a regulating	ducting pipe, D, and grate, G, when constructed and operating substantially
out - in the stell It. K. Dut hett, I ough Reepsie, N.I.	tabe.	as and for the purposes herein set for th.
I clam, 1st, The cams, D D rotated by the gearing, B C, in combination	9th, The combination of a peu, a vertical reservoir, open at bottom. a coil	80,316.—CLOTHES DRIER.—L. B. Waterman, Chicago, Ill.
with the arm, U, roller, E, and joint eq pitalan, G, connecting the arm, U, to the cutter bar, h, substantially as set forth.	snrrounding the reservoir, and a permanentmagnet, located above the reser-	I claim a detachable clothes drier consisting of the hinged bands, A, hav-
2d, The bar, K, at the end of the finger bar, H, and jointed at Q, to the shoe.	voir, and all these parts thus relatively arranged, in combination with a per-	ing the bars, B. pivoted thereto, and arranged to be secured to a stove pipo
R' and arm, X, as and for the purposes set forth.	manent magnet, located balow the reservoir and pen.	by means of the brace or pawl, b, and the ratchet, or its equivalent of rubber,
3d, The shoe, R', joined to the arm, X, in combination with the slotted	10th, The combination of the following parts. viz, a pen, a float, a reservoir	as herein described.
brace, 1. ingen bar, H, and cutters, i, arranged and operating as and for the	of fluit, a regulating tube, a coil, a paper properly actuated, and these in	80,317.—COFFEE MILL.—Edwin Watrous, Mystic River,
purposes set forth.	combination with a permanent magnet, so located as to influence the pen, all	
	these combinations, and the parts or elements making up the combinations,	('OND Table 1.4 The set describtion which the flags as attaching device is
80 273 BOOT SOLING MACHINE.—Thomas Cabourg, Paris,	beingsubstantially such as herein specified and set forth.	I claim, lst. The grinding inill, in which the flanke or attaching device is
France.	80,294 — STILL FOR HYDROCARBON.—Charles Lockhart and	placed at an inclination to the axis of the mill, for the purposes and substan- tially as set forth.
f ciain, 1st, The const ¹ uction and use of the pulley, A, on which is wound	John Gracie, Pittsburg, Pa.	2d, The hollow clamping washer, 7, in combination with the lug, 8, on the
the wire to be tapped, substantially as herein described.	I claim. 1st, he chimney, D, combined with a series of fire chambers, z.	flange, h, for attaching the mill when the parts are slipped behind the screw
2d, the construction of the tapping plate, substantially as described.	and smoke elamber m' constructed arranged and operating substantially	
3d, The construction, disposition, and simultaneous action of the knives.	as herein described, and for the purpose set forth.	3d, The flanges, 12 and 3, constructed and applied, as shown, to the shell, b
substantially as described, and more fully shown in the drawings.	2d, Making the chimney, D, the axis of the wheel, 7, used for rotating the	
90.074 Example John Collinse Posses Mich An	scrapers, in the manner substantially as herein described, and for the pur-	herein set forth.
80,274.—FISHING SEINE.—John Collines, Ecorse, Mich. An-	Dose set forth	
tedated July 18, 1868.	3d, The arrangement of the column, e, pipes, g and (3, openings, 10, and	80.318.—FOUNDATION FOR FENCES.—Thomas W. Welch and
I claim the application of the braces marked A A, as above, to a seine or	valve, z2, constructed arranged, and operating substantiaity as herein dc-	George B. Starbird, Mechanicsburg Pa.
net, substantially as and for the purposes herein described.	scribed, and for the purpose set forth.	We claim the part, AA, the parts, B B, the parts, CC, the octaganal or