

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.

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.

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.

PATENTS ARE GRANTED FOR SEVENTEEN YEARS, the following being a schedule of fees:—

Table with 2 columns: Fee description and Amount. Includes items like 'On filing each caveat', 'On filing each application for a patent', etc.

In addition to which there are some small revenue-stamp taxes. Residents of Canada and Nova Scotia pay \$500 on application.

Pamphlets containing the Patent Laws and full particulars of the mode of applying for Letters Patent, specifying the 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.

80,265.—STEAM GENERATOR.—Jonathan Amory, West Roxbury, Mass.

80,266.—SHUTTER AND WINDOW FASTENING.—Wm. L. Barnes, Irvington, N. Y.

80,267.—MANUFACTURE OF CARRIAGE SHAFT COUPLINGS.—Henry M. Beecher (assignor to H. D. Smith & Co.), Plantville, Conn.

80,268.—APPARATUS FOR CARBURIZING GAS AND AIR.—Alonzo T. Boon and Albert D. Perry, Galesburg, Ill.

80,269.—TUCK CREASER FOR SEWING MACHINES.—Edward Bostock, Albany, N. Y.

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80,271.—CAR COUPLING.—C. T. Burchardt, New York City.

80,272.—HARVEST ERIE.—H. K. Burnett, Poughkeepsic, N. Y.

80,273.—BOOT SOLING MACHINE.—Thomas Cabourg, Paris, France.

80,274.—FISHING SEINE.—John Collins, Ecorse, Mich. Antedated July 18, 1868.

80,275.—COAL STOVE.—John Cooper, Dublin, assignor to himself and Bennett F. De Witt, Indianapolis, Ind.

80,276.—MACHINE FOR UNLOADING RAILROAD CARS.—John Doble, Chicago, Ill.

80,277.—HOP HOOK.—Elon Deuio, Baldwinville, and Elon G. Deuio, New Hartford, N. Y.

80,278.—STOPS FOR FORE-AND-AFT SAILS.—Jacob Edson Boston, Mass.

80,279.—FURNACE FOR TREATING ORES.—Samuel H. Folsom, Winchester, Mass.

80,280.—STOVE AND FURNACE GRATE.—Bartholomew Gommenging, and Chas. W. Trotter, Rochester, N. Y.

80,281.—LAMP BURNER.—Richard Gorsline, Rochester, N. Y.

80,282.—LAMP CHIMNEY.—John Gracie, Pittsburg, and Robt. H. Boyd, Hunkon Station, Pa.

80,283.—MACHINE FOR PRODUCING A RECIPROCATING MOTION IN ENITTING MACHINES, ETC.—Sevitus Haslam, Jr., New Britain, Conn., assignor to himself and John B. Talcott.

80,284.—CIGAR.—Frederick L. Hilbricht, Newark, N. J., assignor to himself and Chas. E. Woodman, Boston, Mass.

80,285.—ADDRESS PRINTING MACHINE.—Henri Julien, Ottawa, Canada.

80,286.—MACHINES FOR DRESSING STONES.—Francis L. King, Worcester, Mass.

80,287.—MANUFACTURE OF CIGARS.—William C. Kneeland, Brooklyn, N. Y.

80,288.—FRUIT PICKER.—John A. Knight, Durham, Me.

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

80,290.—CAR BRAKE.—Samuel M. Lee, New London, Iowa.

80,291.—TEETH FOR GEAR WHEELS.—John Letskus, Allegheny City, Pa., assignor to himself and Richard Brown, Youngstown, Ohio.

80,292.—ROSE ENGINE LATHE.—Thomas Lippiatt, New York City. Antedated July 11, 1868.

80,293.—TELEGRAPH INSTRUMENT.—George Little, Hudson City, N. J.

80,294.—STILL FOR HYDROCARBON.—Charles Lockhart and John Gracie, Pittsburg, Pa.

80,295.—BOLT.—Benjamin F. Lotridge, New York City.

80,296.—FRUIT JAR.—W. W. Lyman, West Meriden, Conn.

80,297.—BUTTER DISH.—William W. Lyman (assignor to Meriden Britannia Company), West Meriden, Conn.

80,298.—MACHINERY FOR MAKING PAPER BARS.—George H. Mallory, New York City.

80,299.—MANUFACTURE OF ARTICLES OF SOFT RUBBER.—George W. Martin, (assignor to himself and J. W. Haskins) Boston, Mass.

80,300.—CANE SEAT.—George W. Martin (assignor to himself and J. W. Haskins), Boston, Mass.

80,301.—PORTABLE ROOFS FOR HAY STACKS, ETC.—Thaddeus Munson, Canandaigua, N. Y.

80,302.—LAMP.—Person Noyes, Lowell, Mass. Antedated July 11, 1868.

80,303.—CULINARY APPARATUS.—William W. S. Orbeton, Bradford, Mass.

80,304.—MACHINE FOR MAKING KNITTING MACHINE NEEDLE SHANKS.—Jesse S. Perkins, Lake Village, N. H.

80,305.—HANGING FOR GATES.—Peter Rasar and D. J. Mayes, Ithaca, N. Y.

80,306.—SMUT MILL.—Richard Redfield and James H. Redfield, Salem, Ind.

80,307.—MEASURING FAUCET.—Thaddeus S. Reeve, Chicago, Ill.

80,308.—HORSE POWER.—M. A. Richardson, Sherman, N. Y.

80,309.—PEAT MACHINE.—Marvin S. Roberts, Racine, Wis. Antedated July 14, 1868.

80,310.—THRILL COUPLING.—Clark Robinson, Fox Lake, Wis.

80,311.—SAD IRON HOLDER.—G. H. Roth, Boston, Mass.

80,312.—BED BOTTOM.—Isaac N. Sheets, West Jefferson, Ohio.

80,313.—BOILER FLUE PLUG.—William M. Sinclair, Baltimore, Md.

80,314.—PLOW.—Daniel Smith, Cedar Falls, Iowa.

80,315.—CULINARY APPARATUS.—Volney M. Thomas, Brandon, Vt.

80,316.—CLOTHES DRIER.—L. B. Waterman, Chicago, Ill.

80,317.—COFFEE MILL.—Edwin Watrous, Mystic River, Conn.

80,318.—FOUNDATION FOR FENCES.—Thomas W. Welch and George B. Starbird, Mechanicsburg, Pa.

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

80,295.—BOLT.—Benjamin F. Lotridge, New York City. I claim, in combination with the slotted case, B, the bolt, C, toggle piece, G, set screw, H, and spring, D, when the same shall be constructed and operated substantially as described for the purpose specified.

80,296.—FRUIT JAR.—W. W. Lyman, West Meriden, Conn. I claim, the combination of angles, a, f, having incline or wedge elevations on its outer edge, the slides, W and Y, and the jaw, Z, with the ring, b, substantially as and for the purpose described.

80,297.—BUTTER DISH.—William W. Lyman (assignor to Meriden Britannia Company), West Meriden, Conn. I claim the right and left hand screw actuating fulcrum, in combination with the cover, a', and body, a, constructed and operating substantially as and for the purpose described.

80,298.—MACHINERY FOR MAKING PAPER BARS.—George H. Mallory, New York City. I claim, 1st, The clamp, formed of the bar, L, the shaft, K with its lags, t, when combined with the supporting bars, u, substantially as set forth.

80,299.—MANUFACTURE OF ARTICLES OF SOFT RUBBER.—George W. Martin, (assignor to himself and J. W. Haskins) Boston, Mass. I claim an elastic screw thread, substantially as described.

80,300.—CANE SEAT.—George W. Martin (assignor to himself and J. W. Haskins), Boston, Mass. I claim a movable cane seat, having sunken bearings, g, as specified, and so constructed as to be reversible, and present each side to the front, substantially as and for the purpose described.

80,301.—PORTABLE ROOFS FOR HAY STACKS, ETC.—Thaddeus Munson, Canandaigua, N. Y. I claim the combination with the seatings, A A', connected by hooks, a, at 2d, of the bracing cleas, c, c', at the top, and the cords, g, g', at the bottom, passing loosely through the rings, d, d', and attached to the bars, f, f', and stays, h, the whole arranged as described, and operating in the manner and for the purpose set forth.

80,302.—LAMP.—Person Noyes, Lowell, Mass. Antedated July 11, 1868. I claim the use or application of a cap or stopple, a, to the top end of the wick tube of a lamp which has an outer jacket, sleeve, or other similar or analogous device, when said cap or stopple is constructed and arranged to operate substantially as and for the purpose set forth.

80,303.—CULINARY APPARATUS.—William W. S. Orbeton, Bradford, Mass. I claim the improved brazier, as connected with the main air supply openings, a, a', etc., the auxiliary inducts, B, B', etc., and the suction openings, e, e', and arranged and combined together substantially in the manner and so as to operate as set forth.

80,304.—MACHINE FOR MAKING KNITTING MACHINE NEEDLE SHANKS.—Jesse S. Perkins, Lake Village, N. H. I claim the combination of the friction jaws, d, e, or the equivalent thereof, and the dies and cutters, f, g, n, o, p, arranged and provided with mechanism substantially as described, for operating them in the manner and for the purpose specified.

80,305.—HANGING FOR GATES.—Peter Rasar and D. J. Mayes, Ithaca, N. Y. We claim the rollers, d, d', plate, c, and yoke, k, of a self-closing gate, when arranged in relation to each other and the rest of the gate, substantially as and for the purpose specified.

80,306.—SMUT MILL.—Richard Redfield and James H. Redfield, Salem, Ind. We claim, 1st, The arrangement of the horizontal fan, J', blast spout, B B', branch spout, B', partition, S', vibrating trough, C, g, and horizontal spirally slotted case, E, Y, and horizontal beater, F', substantially as and for the purpose described.

80,307.—MEASURING FAUCET.—Thaddeus S. Reeve, Chicago, Ill. I claim a measuring faucet, consisting of screw, A, stop, B, gate, D, cylinder, E, piston, F, and gage, H, arranged substantially as described.

80,308.—HORSE POWER.—M. A. Richardson, Sherman, N. Y. I claim, 1st, The friction brake, D, and nut, d, applied to the operating part of a horse power, substantially as and for the purpose set forth.

80,309.—PEAT MACHINE.—Marvin S. Roberts, Racine, Wis. Antedated July 14, 1868. I claim, 1st, The digging apparatus, D, consisting of box, E, plunger, F, and endless chain, G, with buckets, H, H', combined and operating as described, and the whole secured to the boat, A, and provided with continuous automatic movement along the semi-circular curve, A', by means substantially as described, or other equivalent means.

80,310.—THRILL COUPLING.—Clark Robinson, Fox Lake, Wis. I claim the socket, D D' in combination with the pivot, K, having a notch, M, the strap, A, and stop, E, substantially as set forth and shown.

80,311.—SAD IRON HOLDER.—G. H. Roth, Boston, Mass. I claim the guard, as made with the lateral passages, e, e', arranged in it, and with latches, D D', to embrace the parts, d, d', of the handle, and cover the passages, e, e'.

80,312.—BED BOTTOM.—Isaac N. Sheets, West Jefferson, Ohio. I claim the combination of the coiled springs, G, the tension rubber springs, N and the clung levers, I, substantially as set forth.

80,313.—BOILER FLUE PLUG.—William M. Sinclair, Baltimore, Md. I claim the flanged tubular plug, C, constructed with a longitudinal slot or slots, f, between the lugs, e, at its inner end, and a circumferential slot or slots, g, at its outer end, with the end of the slots, f, for use in combination with the wedge or wedges, d, substantially as and for the purpose set forth.

80,314.—PLOW.—Daniel Smith, Cedar Falls, Iowa. I claim, 1st, A mold board for plows, which is made entirely of glass, substantially as described.

80,315.—CULINARY APPARATUS.—Volney M. Thomas, Brandon, Vt. I claim the arrangement and combination of the steam chamber, A, conducting pipe, D, and grate, G, when constructed and operating substantially as and for the purposes herein set forth.

80,316.—CLOTHES DRIER.—L. B. Waterman, Chicago, Ill. I claim a detachable clothes drier, consisting of the hinged bands, A, having the bars, B, pivoted thereto, and arranged to be secured to a stove pipe by means of the brace or pawl, b, and the ratchet, or its equivalent of rubber, as herein described.

80,317.—COFFEE MILL.—Edwin Watrous, Mystic River, Conn. I claim, 1st, The grinding mill, in which the flange or attaching device is placed at an inclination to the axis of the mill, for the purposes and substantially as set forth.

80,318.—FOUNDATION FOR FENCES.—Thomas W. Welch and George B. Starbird, Mechanicsburg, Pa. We claim the part, A, A', the parts, B, B', the parts, C, C', the octagonal or