

RECENTLY PATENTED INVENTIONS.

Pertaining to Apparel.

TROUSERS-EXPANDER.—J. SARGH, New York, N. Y. The expander holds the trousers expanded at the inner sides of the wearer's limbs to hide the bow-legged formation, the expander being actuated in a very simple manner from the crotch of the trousers when the wearer is in an erect position, and the expander collapsing when the latter is in sitting position.

BANDAGE-SUPPORT.—C. M. COOKE, New York, N. Y. This bandage is in the form of bands or ribbons wound around the leg of a person afflicted with varicose veins and other ailments. The inventor provides a support for holding the bandage of the type mentioned securely in place, to prevent the bandage from slipping on the leg, and thus allow the bandage to properly fulfill its legitimate functions to the fullest advantage.

Electrical Devices.

MEANS FOR CLOSING AN OPEN TELEGRAPH-CIRCUIT AT A DISTANT KEY.—C. B. JEWELL, La Junta, Colo. The main feature here consists in the provision at a terminal office of an extra switch and circuit, and an extra battery of such higher voltage than the ordinary working batteries that when the battery of higher voltage is switched on to the live wire it will force its current through the resistance around any open key and, by working the relay of that key, apprise the forgetful operator at that station that he has left his key open and thus instruct him to close it.

APPARATUS FOR RECEIVING SUBMARINE SIGNALS.—C. H. MUNDT, Metuchen, N. J. The invention belongs to a class that possesses all the advantages of the others, the same consisting of a sound transmitter exposed directly to the sea and accessible from within the ship, and is distinguished from other inventions of this class in that the transmitter proper may be removed and replaced while the ship is afloat without taking water within the ship.

Of Interest to Farmers.

HARVESTING-MACHINE.—W. LIVTSCHAEK, St. Petersburg, Russia. It is rendered possible by this inventor to heap or pile the cut crop in a space on the frame between the main wheel and the finger bar to discharge same in definite heaps upon the ground so that free space is left for the path of the draft animals, and the subsequent binding up into sheaves by hand is facilitated.

Of General Interest.

APPARATUS FOR BUILDING CONCRETE AND OTHER LIKE STRUCTURES.—W. C. POLK, Fort Branch, Ind. Means provide for supporting the forms independently of the concrete, whereby the green concrete will not be strained or broken by the weight of the forms or by removing the forms after the concrete has set; also for releasing and resetting the forms for repeated elevations as the building of the walls proceeds, whereby the same forms are continually used, and saving time and labor; and to support the forms that they will be held plumb and level and require no more attention in this respect after the support has once been properly set.

WINDOW.—A. C. GODDARD, New York, N. Y. The window has a swinging or a transom sash arranged to insure a tight joint, to render the window dust and moisture proof when closed. The window frames and sashes can be constructed of sheet metal in a very simple and exceedingly durable manner.

METHOD OF MANUFACTURE OF ROSIN SOAP AND THE LIKE.—A. W. CARMICHAEL, Savannah, Ga. In the present patent the invention is an improved method for dehydrating a saponified solution of rosin commonly called "wet pulpy size," in the production of hard rosin soap, which is more especially used by paper mills in the so-called sizing or water-proof process.

Hardware.

TRIM-FASTENING.—A. C. GODDARD, New York, N. Y. The invention pertains to metal doors, windows, base boards, and like structures, and its object is to provide a trim or molding fastening, more especially designed for securely and quickly fastening trimmings or moldings in place without the use of screws, rivets, or similar fastening devices, and without showing exterior projections, holes, marks, or the like.

GRAVITY-LOCK FOR WINDOWS.—A. C. GODDARD, New York, N. Y. The object of this improvement is to provide a lock arranged to automatically lock in case of fire when the sash is closed by fusing of the chain link connection, to securely hold the window locked and to allow convenient and quick unlocking of the window sash and opening the same.

PLUG FOR REPAIRING HOSE.—A. L. MONAGHAN, Houston, Texas. The object here is to produce a plug which is especially adapted for use in repairing a puncture or perforation in a hose. More particularly the object is to give the plug a form that will facilitate its introduction into the puncture, and which will operate to insure that the plug will remain in position.

Household Utilities.

CLOTHES-HANGER.—J. G. MADLAND, Port Angeles, Wash. A purpose in this case is to provide a clothes reel or rack having revoluble action and which can be dropped down to be loaded or unloaded, and which can be readily carried up and secured in an upright position for drying purposes.

CURTAIN-FIXTURE.—J. E. BOSLER, Olean, N. Y. The invention provides a fixture which provides means for supporting curtain poles and shade rollers. Further, it provides a device for use in holding and supporting curtain poles and shade rollers, and adapted to be adjusted to permit its use in connection with poles and shade rollers of different sizes.

Machines and Mechanical Devices.

REEDING-MACHINE.—O. SCHULER and R. GLASER, Paterson, N. J. The machine is particularly useful in warping or harnessing looms for weaving textile fabrics. An object of the invention is to provide a machine by means of which the warp threads used in textile looms can be easily and expeditiously inserted in the slits of reeds used in connection with these looms.

Designs.

DESIGN FOR A PEN-BOX, DESK-TRAY, AND PAPER-WEIGHT.—C. R. SMEAD, Hastings, Minn. The ornamental design for a pen box, desk tray, and paper weight, comprises an oblong, square cornered, and flat topped article with its lower half having a slightly receding base marked or fluted with a continuous row of ornamental indentations.

NOTE.—Copies of any of these patents will be furnished by Munn & Co. for ten cents each. Please state the name of the patentee, title of the invention, and date of this paper.

Legal Notices

PATENTS

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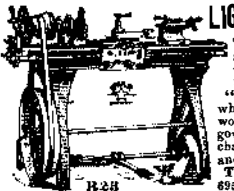
INDEX OF INVENTIONS

For which Letters Patent of the United States were issued for the Week Ending January 12, 1909, AND EACH BEARING THAT DATE [See note at end of list about copies of these patents.]

Table listing inventions such as Acid, apparatus for making sulfuric acid, Adjustable hanger, Downing & Duley, Aerial ropeway, C. W. Henry, Air brake system, H. W. Ley, Air compressor, variable volume, M. Kurth, Air heater, A. Mathias, Air ship, W. Rumble, Alloy, J. F. Clapp, Amusement apparatus, E. Woerth, Amusement slide, W. S. Tothill, Animal trap, G. C. Biddle, Annunciator, E. J. Brandt, Arsenophenol, Ehrlich & Berthelm, Automobile spring, L. S. Chadwick, Automobile steering wheel, A. J. Kinnean, Automobile wind shield, H. H. White, Awl, sewing, A. M. Parker, Axle oiling device, L. Damour, Bag, J. D. O'Brien, Baling press, Neumann & Dunham, Baling press, W. O. Cumming, Balloon or air ship, A. F. Godfrey, Barrel trussing machine, Sullivan & Young, Bath tub and cabinet, combined, C. W. Peterson, Bath tub waste and overflow connection, J. F. Eichenlaub, Battery discharge regulator, E. J. Murphy, Battery plate, G. B. Rinehart, Battery, secondary, L. H. Flanders, Beating engine, A. Muirhead, Bed, spring, W. E. Frank, Bed spring, J. H. & L. S. Zelders, Bedstead mattress or bottom attachment, S. W. Bennett, Beet harvester, W. Kite, Beet toppler, Giddings & Blevins, Bell, See Electric alarm bell, Belt buckle, H. L. Perryman, Belt carrier, C. Miller, Belt coupling, J. C. Cottle, Bench clamp, I. Solberg, Billiard marker, etc., H. R. Wildish, Billiard table, F. Hepton, Bin, Cameron & Randolph, Binder or loose sheet holder, temporary, Pink & Petty, Block signal system, F. E. Corey, Boat, hydroplane, L. Simpson, Boiler lug, M. Hedges, Boiler scale removing apparatus, A. Schror, Boiler setting, D. F. Kilgour, Boiler stand, range, C. H. Foster.

Table listing inventions such as Bolt clipper, H. K. Porter, Book, instruction, J. D. Thompson, Boot and shoe insole, G. W. Belonga, Boring apparatus, deep, W. Schott, Bottle, non-refillable, S. Gardner, Bottle washer, Arndt & Marquart, Bottling machine crown branding attachment, Gilmore & Mulkey, Box fastener, N. Dahl, Box strap and bale tie, A. A. Patzlaaf, Brake shoe, G. A. Woodman, Brake shoe, H. Lewis, Brake shoe, A. L. Streeter, Bridle bit, J. Cummings, Brush, A. H. Wolcott, Brush, rotary, H. Nielson, Bucket, H. Troeger, Buckle, A. C. Stone, Buckle and clasp attaching means, H. Gibson, Burglar alarm, H. Wettstein, Burglar alarm, C. E. C. Edey, Butter, combined making, J. E. Garrette, Butter, making, C. G. Johnson, Button, E. R. Joppler, Cable hanger, C. L. Peirce, Jr., Calculating device, S. R. Lamb, Calendar, W. H. Hall, Calendar frame and card, W. H. Hall, Can, C. Rucht, Canning operations, machine employed in, G. G. Glass, Car automatic air and gas valve, W. D. McPherson, Car brake rigging, railway, W. H. Sauvage, Car center bearing, L. W. Barber, Car construction, passenger, F. M. Brinckerhoff, Car, dumping, S. Ketchum, Car, dumping apparatus, mine, Hubard & Adams, Car end framing, A. E. Ostrander, Car fender, J. D. Wright, Car friction draft rigging, railway, J. F. O'Connor, Car, grain, G. R. Dunn, Car jack, suspension, A. O. Brill, Car, passenger, Curwen & Smith, Car, racer, E. Ebin, Car seat, Budd & Cond., Car step, extension, E. W. Fuhr, Car, two-way dump, A. E. Ostrander, Car underframe, W. P. Bettendorf, Cars to the floor level, automatic device for bringing hydraulic elevator, I. B. Ritter, Carburer, W. C. Westaway, Card holder, illustrated post, E. O. Williams, Card rack, E. O. Williams, Carpet sweeper, O. E. Chaplin, Cart, combination, O. & M. Helgeson, Casting fixture, stems, P. J. Handel, Cash register, H. Hallwood, Casks, device for planing the rims of, L. Drexler, Caster, J. E. Johnson, Catamenial bandage, Treber & Simon, Cattle stanchion, W. B. Crumb, Cellar spray, detachable, J. F. Oliver, Cement buildings, waterproofing paint for Portland, T. A. Edison, Cement structures, waterproofing paint for Portland, T. A. Edison, Chair, See Nursery chair, Child's back rest, L. P. Pullman, Chimney, M. E. Howe, Chimney pot, T. B. Cullen, Christmas tree holder, W. A. Mitchell, Chuck, rivet holding, Sassemann & Dalin, Cigar box, A. E. Smith, Cistern cleaner and water purifier, Murray & Kimball, Clay, etc., machinery for preparing or treating loam, P. Baur, Clock, E. F. Herschede, Clock, electric secondary, Jackson & Vizents, Clock, electric secondary, H. C. Vizents, Clock, electric self-winding, Jackson & Vizents, Clock mount, H. J. Keating, Clock, self-winding, C. W. Wagner, Clock system, E. E. Yaxley, Cloth, etc., machine for cutting lengths of, F. W. Denison, Cloth or other material, machine for trimming and cutting lengths of, F. W. Denison, Clothes drier, G. N. Galloway, Clutch mechanism, J. Maitland, Cock for flushing tanks, ball, W. H. Perkins, Cock, stop, A. D. Herschler, Cock, three-way, E. H. Gold, Coffee pot, China, C. F. Blanke, Coin operated releasing mechanism, G. P. Brand, Coin operating mechanism, Symonds & Brann, Collar dampening and burnishing machine, Currier & Leitschuh, Color and making same, sulfur, E. S. Chapin, Color and making same, sulfur, E. T. Bundman, Comb, sanitary, H. T. Moler, Composition board, J. Ferla, Composition for antiseptic and other purposes, H. S. Blackmore, Composition of matter, J. Laeuffer, et al., Concrete metal reinforce, G. F. Dodge, Concrete mixer, A. D. Hadsel, Concrete tie, reinforced, W. Dunson, Condenser, G. M. Newhall, Condiment holder, H. J. McWilliams, Conical, sectional, W. G. Wight, Conveyor, J. E. Dentthorne, Conveyor belt support, E. E. Vrooman, Cooking utensil cover, C. J. Cooling, Cooler, S. M. King, Coop or crate, O. J. La Bauve, Corn gatherer and husker, E. C. Dean, Corn separator, seed, C. F. Asplund, Cot, collapsible, C. B. Lamb, Cotton chopper, P. Harrison, Cotton cleaner, A. L. Treese, Counting device, D. L. Roscoe, Cudde crusher, B. K. Donald, Crane mechanism, D. Kendall, Crate or case, shipping, J. M. Porter, Crown for winding stems of watches, H. Axtell, Crusher, De Wind & Hughtson, Crutch, adjustable, G. S. Rhodes, Crutch tip, E. H. Seibert, Culinary utensil, H. B. Seely, Cultivator, O. Caron, Cultivator, W. J. Asbell, Cup shaped articles, apparatus for making, W. H. Smith, Cupola attachment, C. J. Langhorst, Current motor, alternating, M. C. A. Latour, Currycomb, J. Oisafskie, Curtain fixture, P. A. Houghtaling, Cut off, A. L. Rosene, Cutlery grinder, H. E. Sweet, Cutter bar, E. F. McElwee, Cutter head, E. F. Beugler, Cycle handle, W. C. Mead, Damp regulator, W. M. Fulton, Dental implement, C. C. Murray, Dental stool or the like, W. H. Reynolds, Die head, automatic, Brown & Sprink, Dish washing machine, C. W. Jaycox, Display rack, J. E. Eddy, Door check, C. P. Dorn, Door construction, sliding, J. R. Hussey, Door opener, F. Conner, Double rake, R. M. Kenney, Draft equalizer, H. J. Helder, reissue, Dredging apparatus, J. Carlismo, Drying, C. W. Volney, Drilling engine, rock, J. A. Traylor, Driving mechanism, sliding friction, A. A. De Loach, Drum, winding, F. Donaldson, Dust collector, H. A. Knos, Dye and making same, anthracene, M. H. Ister, Dye and making same, sulfur, E. S. Chapin, 909,151, 909,152, 909,154, 909,155

Table listing various scientific articles and their authors, including 'Liquid evaporating apparatus', 'Foot and Power and Turret Lathes', and 'Noteworthy Articles'.



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THE PANAMA CANAL is described from the engineering standpoint in SCIENTIFIC AMERICAN SUPPLEMENT 1539. WIRELESS TELEGRAPHY. Its Progress and Present Condition are well discussed in SCIENTIFIC AMERICAN SUPPLEMENTS 1425, 1426, 1427, 1386, 1388, 1389, 1383, 1381, 1327, 1328, 1329, 1431. HOW TO CONSTRUCT AN EFFICIENT WIRELESS TELEGRAPH APPARATUS AT SMALL COST...

SUBMARINE NAVIGATION. An exhaustive review of the subject is published in SCIENTIFIC AMERICAN SUPPLEMENTS 1414, 1415, 1222, 1223. SELENIUM AND ITS REMARKABLE PROPERTIES are fully described in SCIENTIFIC AMERICAN SUPPLEMENT 1430. THE INTERNAL WORK OF THE WIND: By S. P. LANGLEY...

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THE TANTALUM LAMP. A full illustrated description of a lamp having a metallic filament and burning at once without preliminary heating appears in SCIENTIFIC AMERICAN SUPPLEMENT 1523. THE WATERPROOFING OF FABRICS is thoroughly discussed in SCIENTIFIC AMERICAN SUPPLEMENT 1522 by an expert. THE SPARK COIL, ITS CONSTRUCTION AND MAINTENANCE, is the subject of a painstaking article in SCIENTIFIC AMERICAN SUPPLEMENT 1522. ELECTRIC IGNITERS FOR GAS ENGINES are discussed in SCIENTIFIC AMERICAN SUPPLEMENT 1514. CARBURETERS, a subject of immense importance to automobilists and the users of oil engines, is well treated in SCIENTIFIC AMERICAN SUPPLEMENT 1508. EPICYCLIC TRAINS, which play an important part in toothed gearing, are ably described in SCIENTIFIC AMERICAN SUPPLEMENT 1524.

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Inquiry No. 8878.—For factory making paper out of peat.

FOR SALE.—Patent No. 886,162, April 28, 1908. An improvement in hog ring. For particulars address P. A. Swanson, Lynn Centre, Ills.

Inquiry No. 8879.—For the manufacturers of steam air pumps such as are used on the Conrad steam cars.

FOR SALE OR ROYALTY.—Patents No. 808,458, No. 847,093, No. 857,736. Agitators, etc., compressors, etc., engines, etc., steam double 2 cycle gas and gas producer. Adam Good, 912 Poyntz Ave., Manhattan, Kans.

Inquiry No. 8880.—For manufacturers of portable shower baths.

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Inquiry No. 8920.—For a still for extracting alcohol from saw dust.

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Inquiry No. 8922.—Wanted the address of Worthington Boiler Co.

Inquiry No. 8923.—For a process, chemical or mechanical, by which black pearls may be bleached into white ones, their natural gloss not being affected.

Inquiry No. 8924.—For parties who make an apparatus for bluing small wire nails.

Inquiry No. 8925.—For an explosive turbine or rotary gasoline engine of 8 H. P., must have a vertical shaft.

Inquiry No. 8926.—Wanted to buy a tree digger of steel plates which are forced down beside the tree and locked in position.

Inquiry No. 8927.—Wanted to buy an apparatus for sterilizing water at the tap by an ozonizer.

Inquiry No. 8928.—For the manufacturers of a steam rotary excavator as described in the Scientific American of December 12, 1908, page 347.

Table listing various goods and manufacturers with prices. Includes items like Embroidered emblems, Enameled sheet metal ware, Fertilizers, Flour, Games, Hardware, Hosiery, Ink, Insulated wires, Jewelry, Latches, Lubricant, Machinery, Malt beverage, Matches, Medicinal castor oil, Metal culverts, Milk, Newspapers, Oil cloth, Ointment, Oranges, Paint, Pharmaceutical preparations, Paper, Perfumes, Pulp plates, Remedy for anemia, Ribbons, Roofing, Sherry, Shoes, Soap, Stamp books, Stokers, Telephones, Tools, Typewriting machine, Waists, Washing compound, Water, Whiskies, Wigs.

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Table listing labels for various products and their manufacturers. Includes labels for "Amora" cigars, "Drapery Serpentine Crepe", "Dudley Mint Cheewing Gum", "La Pelata" cigars, "MI Rey" cigars, "Red Rose" beer, and "The Great National Catarrh Remedy".

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