

RECENTLY PATENTED INVENTIONS.

Electrical Apparatus.

TROLLEY.—WILLIAM A. DAGGETT, Vineland, N. J. The object of the invention is to provide a trolley which will have a yielding connection with the wire, whereby the usual pounding or jumping is avoided, thereby preventing the disconnection of the trolley and the consequent cutting out of the lights and power.

CIRCUIT-CONTROLLER.—CHARLES C. WEBSTER, Asbury Park, N. J. This controller is designed to be used in connection with electrically-illuminated signs and can be readily adjusted or changed to direct a current to the lamps forming the respective letters of the sign in any desired order or combination.

Mechanical Devices.

WATER-WHEEL.—JOHN W. TAYLOR MANUFACTURING COMPANY, Mt. Holly, N. J. The inventor's improvements pertain more particularly to very sensitive gates, so arranged exteriorly to the wheel and chute-box and so supported as to work without friction and wear with the parts inclosed by the gates.

MACHINE FOR MAKING BRIQUETS FOR TESTING PURPOSES.—THOMAS MILLER, JR., Manhattan, New York city. The machine forms briquets of cement, plaster, or other material for testing purposes. These briquets are uniform in size, density and strength.

Railway Contrivances.

CAR-BRAKE LEVER.—JOSEPH C. WESTERFIELD, Arlington, and HARRY S. CHINNOCK, JR., Belleville, N. J. In setting brakes hard, it is the usual practice to employ a hand-lever in the form of a wooden stick inserted in the spokes of the hand-wheel.

TRAIN-INDICATOR.—WILLIAM M. SIX and OLIVER R. DAILY, Lebanon, Ind. From the back of the case in which the indicator mechanism is contained, the operator can manipulate the indicating devices which are constructed and adapted to expose at the front of the case, the number of the train, the time when such train is due, and information whether or no the train is on time, and if late, to what extent.

BOTTLE.—GEORGE W. VOUGHT, Queens, New York city. The bottle is of the non-refillable class. The inventor has devised a cheap and simple valve-mechanism which can be applied to bottles of the ordinary shape and which is designed to prevent the illegal re-filling of a bottle.

COMBINED SAFETY AND IRONS AND SCREEN.—ISAAC W. SULLIVAN, Laksonville, Tenn. The combined fire-screen and andirons are so arranged that each furnishes a support for the other, the andirons being adapted for lateral adjustment and for convenient detachment.

Miscellaneous Inventions.

BURIAL-CASKET.—PHILIP HERBOLD, JR., Gallion, Ohio. This casket has a false bottom above, spaced apart from the bottom forming a recess for the cap or lid. A side is hinged to the bottom and is adjustable to positions to cover or to expose the opening to the cap or lid containing the recess.

PACKAGE FOR MEDICINES, ETC.—LUTHER E. MOORE, Marietta, Georgia. Each section of the package is composed of an outer layer of coarse fibrous material, and an inner layer of a smooth firm surface with an intervening sheet of cement impervious to heat and sealing mixture.

SOFT-TREAD HORSESHOE.—JOHN RILEY, Manhattan, New York city. This is a light shoe, strong and serviceable, and one that will prevent slipping on smooth surfaces. It may be used until worn away.

LOGGING-TRUCK.—JOHN LINDSEY, Sandersville, Miss. This is a low two-wheeled cart having a concave bolster. A log rolled to a central position on the bolster will remain in place without the use of standards.

this gripper and the bar, and a latch engages the free end of the bar to hold it.

APPAREL-SHIRT.—SAMUEL A. ISRAEL, Manhattan, New York city. The invention makes an improvement in shirt-bosoms which are provided with flanges for holding detachable or false bosoms in place.

NON-REFILLABLE BOTTLE.—WILTON A. and THOMAS A. HALL, Fernandina, Fla. This bottle belongs to that class in which valves open outward. This permits the outflow of liquid and prevents an inflow.

PROCESS OF MAKING PHOSPHOR-TIN.—GEORGE BERTHOLD, Great Falls, Mont. Phosphor-tin is made by subjecting a charge of tin, charcoal, and phosphorus, while held in a crucible and under the exclusion of air, to the action of heat in a furnace to cause the tin to melt and absorb a portion of the phosphorus.

WATER-CLOSET BOWL.—CHARLES SCHIFFLIN, Manhattan, New York city. In this invention the overflow of the bowl is completely prevented. At the same time the bowl is kept from getting foul.

GAGE FOR CROSSCUT-SAWS.—JOSEPH MORIN, Seattle, Wash. A former invention of Mr. Morin's has been improved upon in this contrivance which provides a device in connection with saw-gages for measuring and testing the raker or chisel teeth of crosscut-saws in swaging the saws.

BREAD-RAISING APPARATUS.—JOHN D. BELL, Arcadia, Kans. On the main box is a hinged lid having an aperture. This box is removably seated on a legged stand. There is a smaller raising-box with a lid thereon, and a removable partition in the raising-box.

Designs.

BELT.—LOUIS SANDERS, Brooklyn, New York city. The novel feature of the design is a panel embossed and offset from the waist-band.

BABY-COMFORTER.—CHRISTIAN W. MEINECKE, Jersey City, N. J. The device consists of a nipple, the base of which is below a shield. The base below the shield has an annular rib formation at the upper end of a pad, the nipple constituting a portion of the pad.

BOTTLE.—MORITZ RHEINHAUER, Manhattan, New York city. The bottle consists of two connected V-shaped members provided with a common threaded neck.

ANTI-RATTLER.—FENTON E. JUDSON, Antigo, Wis. This patentee gives a new shape to the bearing block employed in connection with wire anti-rattlers to obtain a better connection with the spring wire and a more efficient pressure on the thill.

NOTE.—Copies of any of these patents can 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.

NEW BOOKS, ETC.

BLUE PRINT MAKING, EMBRACING DIRECTIONS FOR CONSTRUCTING THE PRINTING FRAME, PREPARING THE PAPER AND MAKING PRINTS OF VARIOUS KINDS. New York: David Williams Company. 1900. 16mo. Pp. 28. Price 25 cents.

Thoroughly practical and tested directions for making blue print paper will certainly prove of value to architects and engineers, who require the use of blue print paper.

MINING LAWS OF THE UNITED STATES OF MEXICO. Mexico City: F. P. Hoek & Company. 1899. 8vo. Price \$1 United States currency.

All those who contemplate having any mining business in Mexico should obtain a copy of these laws. They are printed in Spanish on one side of the page and in English on the other. This will tend to prevent mistakes.

PROGRESSIVE CARPENTRY. By D. H. Maloy. New York: David Williams Company. 1900. 16mo. Pp. 89. Price \$1.

The author states that the work of preparation for this book began in 1880, and the first edition appeared in 1890. It presents his new system of constructive carpentry and will undoubtedly be of use to builders.

Business and Personal.

Marine Iron Works. Chicago. Catalogue free. For mining engines. J. S. Mundy, Newark, N. J. "U. S." Metal Polish. Indianapolis. Samples free.

Yankee Notions. Waterbury Button Co., Waterbury, Ct. Handle & Spoke Mch. Ober Mfg. Co., 10 Bell St., Chagrin Falls, O.

Machinery designed and constructed. Gear cutting. The Garvin Machine Co., Spring and Varick Sts., N. Y. The celebrated "Hornby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Refrigerating Machine Company.

Notes & Queries

HINTS TO CORRESPONDENTS.

Names and Address must accompany all letters or no attention will be paid thereto. This is for our information and not for publication. References to former articles or answers should give date of paper and page or number of question.

(7970) G. N. S. asks: Would cotton-covered wire do for the secondary coil described in SUPPLEMENT, No. 160? Of course silk is a better insulator, but would the difference amount to very much?

(7971) W. E. F. asks: How can I make the best and cheapest lining to use in a reservoir dug in a side hill of sand and gravel, to hold about 20,000 gallons, not over 3 1/2 feet deep?

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending SEPTEMBER 25, 1900, AND EACH BEARING THAT DATE.

Table listing various inventions and their corresponding patent numbers, such as Acetylene generator, Acid apparatus, Acid making pure carbonic, etc.

Table listing various inventions and their corresponding patent numbers, such as Carriage corner iron, Carriage corner iron, Carriage corner iron, etc.

(Continued on page 221)


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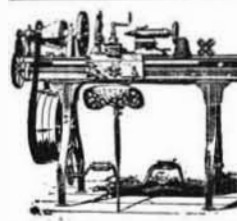
AMERICAN PATENTS — AN INTERESTING and valuable table showing the number of patents granted for the various subjects upon which petitions have been filed from the beginning down to December 31, 1894. Contained in **SCIENTIFIC AMERICAN SUPPLEMENT, No. 1002.** Price 10 cents. To be had at this office and from all newsdealers.

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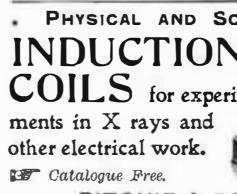
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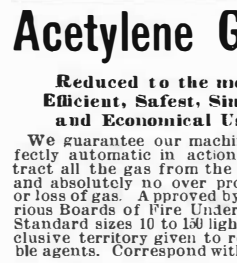
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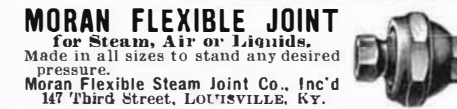
Steam Shovels & Dredges
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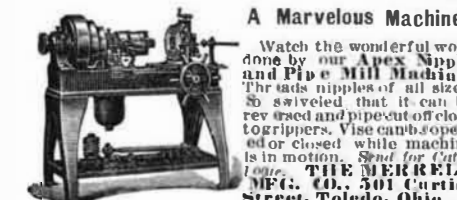
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Lock, See Nut lock. Seal lock.	
Lock, H. L. Lellock	658,652
Lock, E. H. Pickard	658,715
Lock, D. W. Tower	658,888
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Tile perforating device, I. Stripe	658,534
Tire remover, wheel, B. M. Buckland	658,479
Tire supporting frame, G. L. Clark	658,619

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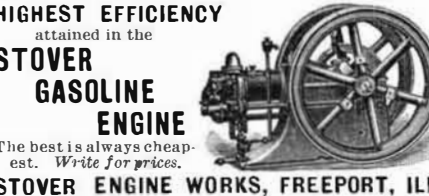
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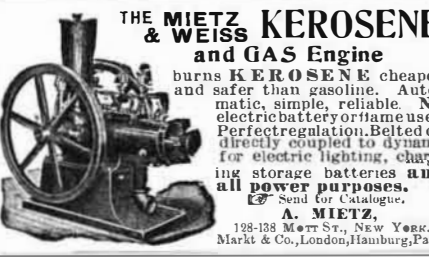
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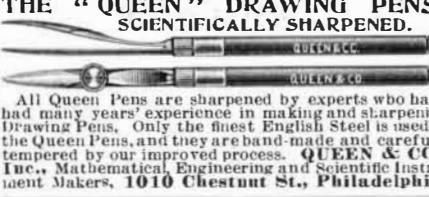
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