

RECENTLY PATENTED INVENTIONS.

Railway-Appliances.

CAR COUPLING.—THOMAS HENRY SMITH, Bowie, Tex. The invention provides an automatic locking arrangement for a car coupling. The coupling consists of a stationary jaw and a swinging jaw vertically pivoted upon it.

Steam Generating Apparatus.

BOILER FURNACE.—ANDRÉ P. RITZOS, Galata, Turkey. The furnace has two chambers, one for the combustion of the fuel and a larger one containing the heating coils.

BOILER FEEDING APPARATUS.—JAMES SCOTT, Hakodadi, Japan. This invention consists of two water receivers, in which the steam pressure of the boiler acts alternately so as to force water from the receivers past check valves into the boiler.

Electrical Inventions.

CONDENSER.—PETER COOPER HEWITT, 11 Lexington Avenue, New York, N. Y. This condenser consists of a plate of glass having concentric rings of tin foil arranged upon both sides.

TELEGRAPH SOUNDER.—JAMES SWINTON BAYNARD, care L. R. L. Pritchard, 115 Broadway, New York, N. Y. The improvement made by this inventor consists in a circular case of some resonating material in which the sounder is placed.

ELECTRIC DOOR OPENER.—ADOLPH F. T. WIECHERS, 9 Columbus Avenue, New York, N. Y. The chief features of this invention consist (1) of a novel push button to be placed in an apartment or flat for the purpose of unlatching the front door.

ELECTRIC SIGNAL.—WENDELL H. STILLWELL, Topeka, Kan. The object of this signal is to call the attention of an engineer to orders which he might overlook, at any point on the road where it is desirable.

ARC LAMP.—EDWARD M. CASHION, Glens Falls, N. Y. The object of this invention is to provide a simple and adjustable means for permitting and regulating a continuous passage of air through the inner globe of an inclosed arc light.

Miscellaneous Inventions.

HOG-TRAP.—JOHANN J. EHMEN, Chatham, Ill. This invention provides a trap for holding hogs in order to ring their nostrils. The trap when set has both its end doors open so that the hog will see what appears to be a clear passage-way and will readily enter.

BATTER MACHINE.—JOHN CALVIN ROBERTS, Bedford, Pa. The object of this invention is to provide a machine in which the ingredients for forming batter may be quickly and thoroughly reduced to the proper consistency and then stirred together and made ready for the oven.

turning a crank it is pulverized and falls to the bottom of the machine, where the beater is situated. This is then thrown into gear and eggs are beaten up with the sugar.

BEATER AND SIFTER.—JOHN CALVIN ROBERTS, Bedford, Pa. This machine is the same as the preceding one, with the exception of the sugar pulverizer, which is omitted.

SELF-DRAINING CULINARY VESSEL.—HELEN J. CARDEN, Bakersfield, Cal. The vessel is an octagonal saucepan having small perforations in one half of its cover, which is permanently fastened to the sides, the other half being removable, in order to insert the vegetables.

INDIAN CLUB.—SAMUEL A. TAYLOR, care M. J. Gleason, 142 Fulton Street, New York, N. Y. The invention covers two forms of club, one made of rubber and inflated and the other having a skeleton wire frame covered with leather or other suitable material.

LIGHTING ATTACHMENT FOR ALARM CLOCKS.—CULLEN A. ROBERTSON, The Wonderful Clock Company, Milledgeville, Ga. The attachment consists of a spring-actuated match-holder arranged to ignite a match by rubbing it over some sand-paper, the match lighting a fuse suspended over it, which in turn lights a candle or fire.

SHOW CASE.—ERNEST FADUM, Assignor of one-half to Reinle Brothers & Salmon, Baltimore, Md. The novelty of this case lies in the fact that each and every glass can be removed at will without injuring it in any manner.

FILTERING TANK FOR USE ON STREAMS.—EDWARD MAGINN, Allegheny, Pa. The tank is built along the river bank, which forms one side of it, and its ends make obtuse angles with the bank. The sides are formed preferably of sheet steel, held in place by steel piles driven on both sides.

INDEX.—BAILEY DUKE LE GRAS, Assignor to the Brandon Printing Company, Nashville, Tenn. The index consists of a large sheet having an index tab running the length of the right hand side. Slits opposite each other and spaced apart are arranged down the sides of the tab, and into these are placed properly ruled slips of paper on which the balances may be posted.

MUFF-LINING.—MARGARET MAGUIRE, Windsor, England. The object of this invention is to provide a lining for ladies' muffs which can be readily inserted or removed, and which will remain fastened to the muff without sewing.

MAIL-POUCH CLOSURE.—WALTER A. PIATT, Pine Ridge, S. D. The pouch has a top or cover made of a strip of leather doubled over with a metal plate in the fold. The top is held in place over the open end of the bag by means of riveted staples or brackets on both sides of the neck of the pouch.

DUMPING SCOW.—FRANKLIN P. EASTMAN, 265 Broadway, New York, N. Y. The center of the scow has a peak-shaped cross section running longitudinally the whole length. Hinged sides are fastened to it and are so arranged that they can all be unlocked and lowered simultaneously, thus ridding the scow of its load.

WAGON-STANDARD.—JASPER N. SMITH, Tiverton, Ohio. The invention provides an easily detachable wagon standard to be placed on a bolster or other support. To the end of the bolster is fastened a U-shaped strap, on opposite sides of which are single holes penetrating through into the wood of the bolster.

PEW ROPE AND LOCK.—WILLIAM H. CLARK and LLEWELLYN J. WATSON, San Francisco, Cal. The object of this invention is to provide a lock that may be made of uniform size with the rope with which it is to be applied, and wherein the body and keeper of the lock will be connected by a chain concealed within the rope and preventing it from stretching.

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The celebrated "Hornsby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Refrigerating Machine Company. Foot of East 138th Street, New York.

The best book for electricians and beginners in electricity is "Experimental Science," by Geo. M. Hopkins. By mail, \$4. Munn & Co., publishers, 361 Broadway, N. Y.

Notes & Queries

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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.
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(7707) H. K. W. asks: Will a platinum wire heated by an electric current ignite the compressed charge in a gas engine? A. Platinum wire, heated by an electric current, would act too slowly to be used for igniting the charge of a gas engine.

(7708) H. B. writes: I have a thermometer hanging in a room (an exceedingly accurate one). It registers 82° say; now I start a small electric motor and hang the thermometer directly in front of it, what will be the effect on the thermometer? A. The proper reply to this inquiry is, try it and see. It is so easy of practical solution.

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