

RECENTLY PATENTED INVENTIONS.

Mechanical Marine Contrivances.

PROPELLER.—JOHN BARNETT, Hotel Irvine, Chicago, Ill. This new form of propeller-wheel is designed to secure the more efficient propulsion of the vessel and is to be used in a series so arranged that the discharge of water from one propeller does not interfere with the effective action of the next propeller in the rear.

Engineering Improvements.

ENGINE-VALVE.—CHARLES G. HOLMBERG, Woonsocket, So. Dak. The admission and exhaust of steam to and from the engine-cylinder are properly controlled and the desired cut-off is obtained by means of a valve, comprising a main portion and an auxiliary portion, the one controlled from the other.

Locks.

LOCK.—JASPER H. WILSON, Rockwood, Tenn. The invention provides a bag-fastening lock, and particularly a lock designed to secure the mouth of a mail-bag. The essential features of the construction are a case slotted in its side to receive an apertured tip-plate on the mail-bag strap; the case being securable on the mail-bag; a staple in the case, and a rockable latch bar.

COMBINATION-PADLOCK.—THOMAS W. HART, Ebenezzer, S. C. The inventor has devised a simple and practical combination padlock of small cost, which is easily operated, is not liable to get out of order, and cannot be opened by anyone ignorant of the combination.

Railway Contrivances.

RAILWAY SYSTEM.—JOHN W. JENKINS, 124 Front Street, New York city. The purpose of this invention is so to improve a railway system that passengers can enter and leave a car without stopping the movement of the train.

Vehicle Accessories.

WHEEL.—CHARLES RENARD, 33 Rue Cambon, Paris, France. The inventor has devised an improved wheel-felly provided with a detachable rim. The invention is to be used in connection with the fellys of vehicle-wheels having pneumatic tires.

MUD-GUARD FOR BICYCLES.—SPENCER MILLER, Rochester, N. Y. The object of the invention is to provide an attachable mud-guard for a bicycle, which is adapted for rocking adjustment so as to hold the guard securely in lowered position for service, or in an elevated position when not needed.

ELASTIC TIRE.—WILLIAM F. WILLIAMS, 17 and 18 Great Pulteney Street, Golden Square, London, Eng. The invention relates to the manufacture of elastic tires of the solid or cushion type. With the object of preventing lengthening or tearing of the tires of motor-car driving-wheels, Mr. Williams embeds in the thickness of the tire, cords or strands which are knotted at frequent intervals, so as to obtain a number of reinforcing points of abutment or resistance to tensional strain.

VEHICLE-SPINDLE.—JOSEPH DARLING, Chicora, Pa. Mr. Darling has invented a device for securing nuts upon the outer ends of spindles of vehicle-axes whereby the nuts are

prevented from accidentally turning off and from being turned too tightly upon the spindle. The nuts, moreover, can be secured in any desired adjustment upon the spindle.

Miscellaneous Inventions.

BUCKSAW.—CHARLES T. REDFIELD, Glenhaven, N. Y. The present invention, an improvement upon a similar device patented by Mr. Redfield, relates to the means for connecting the continuous brace-bar, which overlies the arch bar, with the end-bars of the saw-frame.

VETERINARY INSTRUMENT.—ABRAHAM VAN ROEKEL, Sioux Center, Iowa. The invention comprises a number of peculiarly-arranged finger-like rods adapted to be introduced into the vagina of an animal and to lie around the muzzle of the fetus. One of these rods carries a prong having a limited movement, and a cord is passed around the ends of the rods, so that when the muzzle of the fetus is properly inclosed by drawing on the cord the rods are engaged firmly therewith and the prong is caused to enter the skin of the fetus.

FISHING-REEL.—JAMES H. SMITH, Salisbury Mills, N. Y. The prime object of the invention is to provide a device which will give the fisherman a signal the instant that the hook has been taken by a fish. Combined with a frame is a reel, a bell, and a spring-sustained clapper arranged to turn simultaneously with the wheel.

EGG-POACHER.—PETER C. QUAKENBUSH and CHARLES F. CARLSON, Paterson, N. J. The egg-poacher comprises a frame to which a cup is secured. A movable bottom, consisting of sections hinged to the cup at opposite sides, is provided with outward extensions. A slide is carried by the frame. Links, each having one end secured to the slide and the other end to the extension of a bottom section, complete the construction.

CLEANSING FILTER.—AUGUSTINE J. MADDEN, 187 Little Collins Street, Melbourne, Victoria, Australia. This invention has been devised to provide an efficient high-class filter so constructed that a simple action of the person turning on or off the cap (which takes the place of the ordinary draw-off cock on a water pipe) causes the filter automatically to cleanse and flush away the residue collected from time to time.

REGISTER.—EUGENE B. LOBACH, Denver, Colo. The register is arranged to control the admission of heated air into apartments. The register has a face or body portion and a case secured to the rear. A gate is held in the case, the case having its edges extended at the rear of the face.

GARMENT-FASTENER.—FANNY B. MATHEWSON, Manhattan, New York city. This invention relates to improvements in garment-fasteners of the hook-and-eye order. The object is to provide a fastener of simple construction that can be readily attached to a garment without the usual sewing. The device is provided with a loop section and a hook portion forming part of the loop section.

Designs.

BOARD.—GEORGE BARRETT, Victoria, B. C., Can. The design provides a novel form of board which is to be used as a covering or weather board on frame-houses. The leading feature consists of a body having an ogee curve on one face at one edge and a groove in its other face at its opposite edge.

BODY-BRACE.—PHILO B. SHELDON, Erie, Pa. The brace consists of vertically-extending strips laced together. To two of the strips shoulder-straps are fastened; and from others a waistband extends. Below the waistband is a stomach-pad laced to certain of the strips.

ABDOMINAL BANDAGE.—PHILO B. SHELDON, Erie, Pa. From the upper part of vertically-extending strips of equal length a waistband projects, and below this band at the front is a stomach-pad joined in strips by two pairs of straps, the lower pair of which are fastened to the strips at their lower ends and the upper pair of which are fastened to the strips near their upper ends.

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.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending October 29, 1901, AND EACH BEARING THAT DATE.

(See note at end of list about copies of these patents.)

Table listing various inventions and their patent numbers, including items like Acoustical apparatus diaphragm, Air and gas engine, Animal trap, and many others.

Table listing various inventions and their patent numbers, including items like Expansive frame, Fabric, Fan, electric, Feed water heater, and many others.