

RECENTLY PATENTED INVENTIONS. Electrical Devices.

ELECTRICAL STOP-MOTION.—G. B. COCKER, Frankford, Pa. The invention pertains to cordage machinery; and its object is the provision of an electrical stop-motion for twisters, wipers, winders, spoolers, and similar cordage machines, the stop-motion being arranged to stop the machine, as soon as one of the yarns or threads breaks, without the use of drop-wires or the like—such, for instance, as are shown and described in a patent, No. 512, 013.

Of Interest to Farmers.

FRUIT-PICKER.—F. FISHER, JR., Oconto, Wis. Mr. Fisher's object is the provision of an improved fruit-picker, easily manipulated by the operator standing on the ground, and arranged to permit of picking the fruit and delivering it to a pocket within convenient reach of the operator without danger of bruising or otherwise injuring the fruit or tree. As soon as the fruit reaches the pocket and has come to a rest therein it can be readily removed by the operator and placed in a basket or other suitable receptacle standing on the ground or carried by the operator. Means are provided for shortening the picking device when desired.

Of General Interest.

DETONATING FIRE-ALARM.—M. A. LIBBEY, South Berwick, Me. The principal object of the invention is to provide an alarm device operating by detonation to give notice of the occurrence of fire in an apartment, room, or other place, and also to provide a device of this character which is exceedingly simple, and inexpensive to manufacture. On the melting of a binder or solder a striking member of the device is released, whereupon said member of its own resiliency or tension is carried into forcible contact with the fulminate in the holder, thereby exploding the fulminate. The device may be readily secured to any part of a ceiling or wall of a room or apartment or to any object or support within the room.

LATCHING DEVICE FOR SAFETY EXIT-DOORS.—G. E. REDDEN, New York, N. Y. This device is of peculiar value in theaters and other auditoriums in which it may be necessary—as, for instance, in case of fire or of a panic—for people to readily escape from the building. The first person to run against this improved door or even to touch it gently with the finger causes it to open. In case of a blind rush of people or of the movements of a single individual the door swings open.

UMBRELLA.—G. TURNER, Tacoma, Wash. According to this invention the umbrella is so constructed that upon removing a member from the umbrella-stick the umbrella will be rendered useless to any one excepting the rightful owner, who has a means for restoring the article to its useful condition.

Heating and Lighting.

WATER-HEATER WITH GARBAGE-BURNER.—M. E. HERBERT, Chicago, Ill. Mr. Herbert's invention is in the nature of a form of furnace designed more particularly for a water-heater, and so constructed as to permit of economical disposition and utilization of garbage in connection with other fuel. By combination and arrangement of parts either garbage or soft coal may be burned on this supplementary grate with a complete combustion and without production of bad odors, securing at the same time an economical and efficient water-heater.

Machines and Mechanical Devices.

SAFETY DEVICE FOR ELEVATORS.—F. B. AUSTIN, Tombstone, Arizona. The aim of this improvement is the provision of a safety device for elevators, more especially designed for use on mining-shafts, to prevent the cage from being drawn up too far on overwinding the hoisting-cable on the winding-up drum, to prevent the hoisting-table from breaking, and the cage and its occupants from dropping down the mine-shaft.

TALKING-MACHINE.—J. E. BEATTY, Huntingdon, Pa. This improvement is in the nature of an attachment for use on talking-machines, especially relating to the employment of a violin as a sound-box or reproducer by turning such instrument upside down and employing a special form of bridge carrying the needle or stylus which operates in the record.

Pertaining to Vehicles.

YIELDING SPRING-WHEEL.—L. MARCHAND, 28 Rue du Fresnoy, Roubaix, department du Nord, France. Mr. Marchand's invention pertains to a wheel having yielding curved spokes. In this wheel each of the yielding spokes is joined at one of its ends on the hub, while its opposite end is movable and guided with respect to the tire in a radial direction. This arrangement prevents the spoke from giving way alternately in two contrary directions, which often causes the breaking up of the wheels having yielding spokes as constructed heretofore.

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