

UNITED STATES PATENT OFFICE.

JAMES HINDS, OF PARIS, ILLINOIS.

NAIL-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 688,731, dated December 10, 1901.

Application filed July 27, 1901. Serial No. 69,944. (No model.)

To all whom it may concern:

Be it known that I, JAMES HINDS, a citizen of the United States, residing at Paris, in the county of Edgar and State of Illinois, have invented new and useful Improvements in Nail-Receptacles, of which the following is a specification.

My invention relates to nail-boxes; and the object of the same is to design a box which can be worn on a belt in place of the ordinary nail-pouch and serve to hold a supply of shingling or lathing nails.

My improved box is constructed to automatically present the nails point first to the workman, who can easily disengage them from the box without wearing his fingers out in so doing, as is necessary in the old form of pouch. The novel construction by which this is accomplished is fully described in this specification and claimed and illustrated in the accompanying drawings, forming a part thereof, in which—

Figure 1 is a perspective view of my box with protruding nails. Fig. 2 is a transverse section of the same through one of the slots. Fig. 3 is a horizontal section of the same on the line 3 3, Fig. 2, at right angles to the slots.

Like numerals of reference designate like parts in the different views of the drawings. My box consists of a rectangular front 1, back 2, sides 3, top 4, and bottom 5. Seated in the back 2 are screw-eyes 6 for connecting the box to a belt. For a belt I prefer to use stiff coiled spring. The back 2 is apertured at 7, which aperture is closed by a door for use in filling the box.

The front 1 of the box is cut by a series of vertical slots 8, which extend about one-half the length thereof and are just wide enough to permit the passage of the shank of a nail and to prevent the passage of the head thereof. To deflect the points of the nails into the slots 8, ribs 9, triangular in section, are secured to the inner side of the front 1 and between the pairs of slots 8. By virtue of this arrangement when the box is slightly shaken the ribs 9 will deflect the points of the nails into engagement with the slots 8.

To permit the removal of the nails, the top 4 is notched at 10 opposite each of the slots 8, and a flap 11 is hinged to the top 4 and is held by spring-arms 12 against the top of the notches 10. This combination of notches and

flap 11 enables the heads of the nails to be disengaged from the slots 8 by grasping them by the points and forcing them up against the flap and swinging it out of the way. The springs 12 hold the flap down and prevent the loss of nails.

When in use, the box is filled almost full of nails and then shaken up until the slots 8 are full of nails, after which it is engaged on the belt. As nails are required they are removed from the box by grasping their points and forcing them transversely up against the flap 11.

When my box is made of wood, the edges of the slots are covered with sheet metal 13 to prevent wear. When metal is employed, this is not necessary.

I do not wish to be limited as to details of construction, as these may be modified in many particulars without departing from the spirit of my invention.

Having described my invention, what I claim as new, and wish to secure by Letters Patent, is—

1. A nail-receptacle, comprising the combination of a box having vertical slots in the front thereof, said slots being closed at their lower ends and notches in the top adjacent to said slots, angular ribs secured within the box, intermediate said slots and designed to deflect nails thereinto, and a flap mounted to close the upper ends of said slots, substantially as described.

2. A nail-receptacle, comprising the combination of a box having a plurality of parallel vertical slots in the front thereof, said slots being closed at their lower ends and notches in the top adjacent to said slots, said slots being of sufficient width to permit the passage of the shank of a nail, angular ribs mounted intermediate said slots and designed to deflect nails thereinto, and a spring-actuated flap mounted to normally close the upper ends of said slots, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JAMES HINDS.

Witnesses:

A. Y. TROGDON,
SAMUEL DURNIL.

UNITED STATES PATENT OFFICE.

WILLIAM M. HOERLE, OF ALLEGHENY, PENNSYLVANIA.

MANTLE-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 688,732, dated December 10, 1901.

Application filed March 14, 1901. Serial No. 51,162. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM M. HOERLE, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Mantle-Supports, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in mantle-supports for incandescent lamps, and has for its object to construct a support by means of which the life of the mantle may be materially increased.

15 This is accomplished by supporting the mantle both at the upper and lower ends, whereby injury thereto by the movement of the burner or lamp may be prevented.

Briefly described, the invention comprises 20 a thimble or sleeve, which is adapted to engage and be supported on the burner, a vertical support having its lower end secured and held in said thimble, and a foraminous basket or upper support carried by the vertical support, this upper support being engaged by and supporting the mantle or envelop at its upper end, while the lower end of the mantle or envelop surrounds the thimble or sleeve, together with other details of construction, as will be hereinafter more specifically described, and particularly pointed out in the appended claims.

In describing the invention in detail reference is had to the accompanying drawings, 35 forming a part of this specification, wherein like numerals of reference will be employed to indicate like parts throughout the several views of the drawings, and in which—

Figure 1 is a vertical sectional view of an 40 incandescent lamp, burner, and mantle or envelop with my improved support in position thereon for supporting the mantle or envelop. Fig. 2 is a detail perspective view of my improved mantle-support in the preferred 45 form of construction. Fig. 3 is an inverted plan view of the thimble or sleeve. Fig. 4 is a detail perspective view of a modified form of construction.

In the practice of my invention I provide 50 a vertical upright or support 1, which may be made of any suitable material and which in the preferred form of construction is held

at its lower end within a thimble or sleeve 2, which is adapted to fit neatly upon the burner 3. In the present illustration of my invention this support or upright 1 is formed of a 55 piece of wire rod, which passes centrally through a spider 4, carried by the sleeve or thimble 2, and has the end or part thereof that extends below the spider coiled within 60 the thimble or sleeve 2, where it is held securely by lugs or ears 5, carried by the thimble or sleeve, below the spider, and which are bent over upon the coiled part of the support or upright, as shown in Fig. 1. 65

Placed within the sleeve or thimble below the spider and lying flush against the coiled part of the upright or support is a wire mesh or screen 6, which will in practice be held in position by its periphery engaging the inner 70 circumference of the thimble or sleeve. This thimble or sleeve also carries below the wire mesh or screen 6 a bell-shaped wire mesh or screen 7, the bow of which extends downwardly toward the burner. 75

In the form of construction herein illustrated I show the upright or support 1 split at its upper end, as at 8, and mounted on this upper end of the support or upright is a foraminous basket or upper support 9 for the 80 mantle 10. This basket or upper support for the mantle or envelop is placed upon the support or upright 1 with one or more of the wires, of which the basket or support 9 is formed, between the split end 8, which prevents the 85 same from slipping downward on the support or upright 1. The basket or foraminous cap is then held securely by placing a nut 11 on the upright or support above the basket and bending the split end of the upright or support outward in opposite directions, as shown 90 in the drawings, which secures the nut 11 in position. This nut 11 forms an additional support for the mantle or envelop 10, as these mantles or envelops are usually contracted 95 near their upper ends, where they are drawn together by a string, and this contracted or neck portion of the mantle or envelop rests upon the nut 11, while the mantle or envelop below the neck or contracted portion rests 100 upon the foraminous basket or cap 9.

In Fig. 4 I show a modified form of mantle-support, and in this construction I provide a vertical support 12, which at its lower end is

