

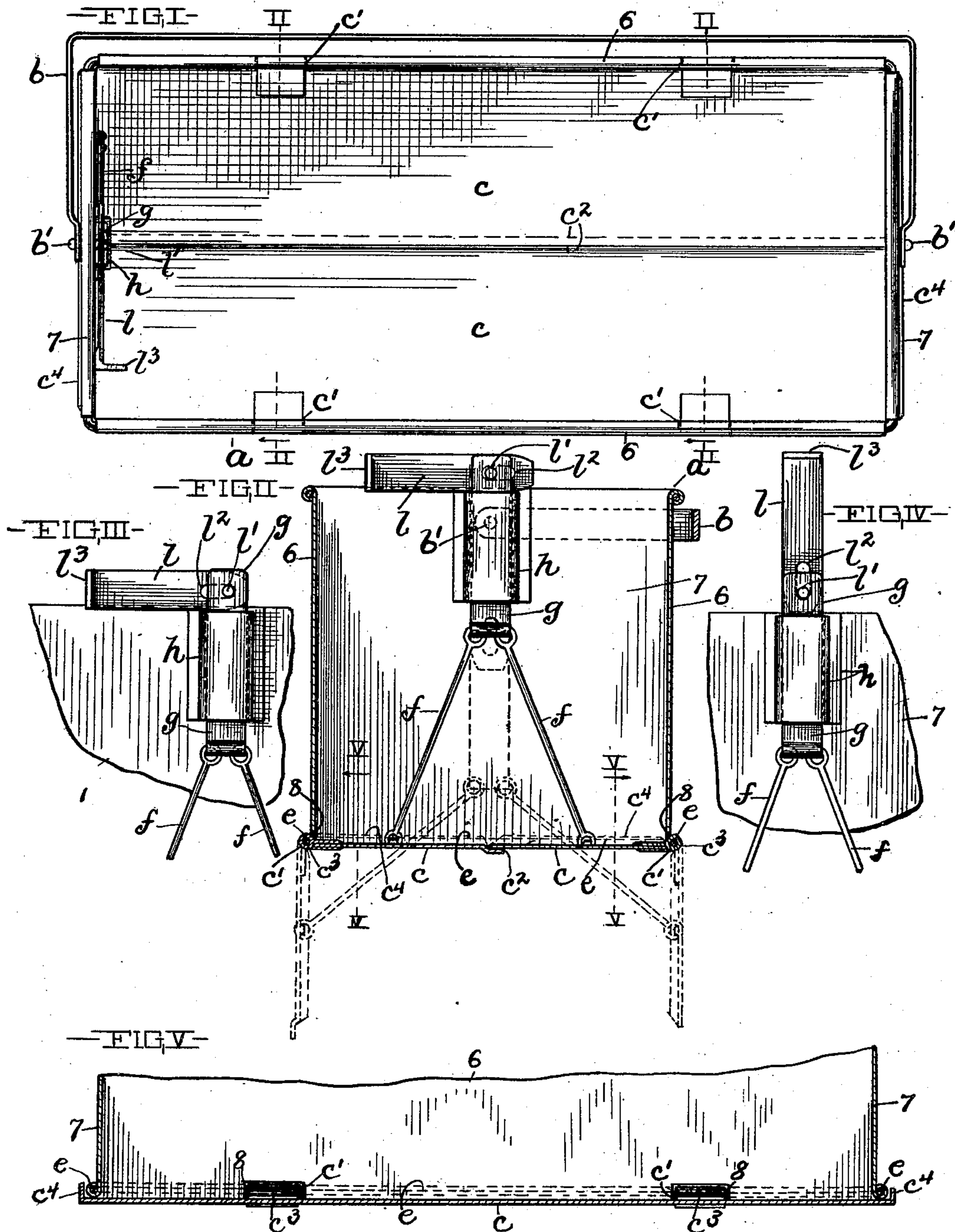
No. 661,050.

Patented Nov. 6, 1900.

R. HOFFMAN
BOX OR RECEPTACLE.

(Application filed Apr. 25, 1900.)

(No Model.)



WITNESSES:

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RUDOLPH HOFFMAN, OF LORAIN, OHIO.

BOX OR RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 661,050, dated November 6, 1900.

Application filed April 25, 1900. Serial No. 14,258. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH HOFFMAN, a resident of Lorain, Lorain county, Ohio, have invented certain new and useful Improvements in Boxes or Receptacles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

10 This invention relates to improvements in boxes or receptacles more especially designed for convenience in supplying the fire-box or fuel-chamber of a stove or grate with kindlings and coal or fuel.

15 The object of this invention is to provide a box or receptacle of the character indicated that can be used as a receptacle for waste paper, that has its bottom composed of two sections hinged to the body portion of the receptacle and normally held closed, and that
20 is provided with means for simultaneously operating the said bottom-forming sections, so that kindlings placed within the receptacle upon the waste paper that has accumulated in the receptacle and coal or fuel placed
25 within the receptacle on top of the kindlings shall upon holding the receptacle over a fire-box or fuel-chamber and thereupon actuating the bottom-forming sections into an open position be deposited in proper order within the
30 fuel-chamber.

With this object in view the invention consists in certain features of construction and combinations of parts hereinafter described,
35 and pointed out in the claims.

In the accompanying drawings, Figure I is a top plan of a receptacle embodying my invention. Fig. II is a transverse vertical section on either one of lines II II, Fig. I, looking in the direction of the arrow. Figs. III
40 and IV are illustrations in detail, showing the manner of rendering the latch employed in locking the mechanism that is instrumental in actuating the bottom-forming sections of
45 the receptacle operative in the closed position of the said sections. Fig. V is a longitudinal vertical section on either one of lines V V, Fig. II.

Referring to the drawings, *a* designates the
50 receptacle's body portion, that is oblong in plan and comprises two side sections 6 and 6 and two end sections 7 and 7, formed and as-

sembled in any approved manner. The receptacle is provided with a bail *b*, that straddles the receptacle centrally and longitudinally and is pivoted in any approved manner, as at *b'*, to the upper portions of the sections 7.

The receptacle's bottom is composed of two sections *c* and *c*, that are hinged, as at *c'*, to
60 the lower ends of the different side sections, respectively, horizontally and longitudinally of the receptacle, and one of the said bottom-forming sections *c* is preferably somewhat
65 wider than the other bottom-forming section, so as to overlap the last-mentioned section, as at *c''*, in the closed position of the said sections *c*.

Preferably a bead-forming piece or section of wire *e* extends around and snugly embraces
70 the body portion of the receptacle at the bottom, and the end sections 7 of the receptacle have their lower ends bent in under and over the outer side of the said wire section *e*. The side sections 6 of the receptacle are bent in
75 under and over the outer sides of the wire section *e*, that forms the pintle of the hinge connection between the bottom-forming sections and the side sections of the receptacle,
80 and the portions of the side sections that are thus bent over the wire section *e* are cut away, as at 8, to accommodate the location and operation of the sleeves *c''*, that are formed upon the bottom-forming sections and journaled
85 upon the aforesaid wire section *e* and that in connection with the said pintle-forming wire section constitute the hinge connection between the bottom-forming sections and the side sections.

Each bottom-forming section terminates at
90 its ends in inwardly-projecting flanges *c''*, that are arranged to overlap the outer sides of the end sections of the receptacle in the closed position of the bottom-forming sections. The bottom-forming sections *c* and *c* at one end of
95 the receptacle are operatively connected by means of different links *f* and *f*, respectively, with a vertically-arranged slide-forming bar *g*, that is arranged to slide up and down one
100 side of the adjacent end section of the receptacle and engages a corresponding vertically-arranged slideway that is formed by a side of the said end section of the receptacle at one side of the bar *g*, and a strap *h*, that straddles

the said bar *g* from the opposite side of the bar and is soldered or otherwise secured to the said end section of the receptacle.

A latch *l* is pivoted horizontally and longitudinally of the receptacle, as at *l'*, to the upper end of the bar *g*. The strap *h* extends, preferably, to or in close proximity to the upper extremity of the receptacle, and the arrangement of the parts is such that the upper end of the bar *g* when it is in its elevated position during the closed position of the bottom-forming sections shall project far enough above the guide-forming strap *h* to permit the tilting of the latch above the said guide *h* into a horizontal position, so as to accommodate a sliding of the latch upon the pivot *l'* across or over the upper end of the guide *h*, and thereby lock the bottom-forming sections in their closed position, and of course the pivot-engaging hole *l²* of the latch is elongated longitudinally of the latch to accommodate a longitudinal actuation of the latch upon the pivot and across the upper end of the guide *h*, as aforesaid. The latch has its outer end provided with a handle *l³* for convenience in operating the same.

In the normal position of the parts, therefore, the bar or slide *g* is in its elevated position, and the latch *l* extends horizontally over the guide *h*, and the pivot *l'* engages that end of the slot *l²* that is nearest the handle *l³*, and the bottom-sections *c* and *c* are in their closed position, as shown in solid lines, Figs. I and II. In rendering the latch *l* inoperative preparatory to actuating the bottom-sections *c* into an open position the latch is first actuated endwise in the direction required to bring the opposite end of the slot *l²* in engagement with the pivot *l'*, as shown in Fig. III, whereupon the latch is tilted upwardly into line with the bar or slide *g*, as shown in Fig. IV, when the latch can be lowered as required to actuate the said bar or slide *g* into its lower position, and thereby tilt downwardly and swing apart and open the bottom-forming sections *c*, as shown in dotted lines, Fig. II.

What I claim is—

1. The combination, with a box or receptacle having a bottom composed of two suitably-supported vertically-tiltable sections, of an upright bar movable up and down the receptacle, two links operatively connecting said bar with the different bottom-forming sections, respectively, means for guiding the bar and comprising a strap that straddles the bar from one side of the said bar and is rigid with the body portion of the receptacle, and a latch pivoted to the bar and having the pivot-engaging hole elongated longitudinally of the latch, and the arrangement of parts being such that, in the closed or normal position of the aforesaid bottom-forming sections, the latch is in position at and externally of one end of the aforesaid guide-forming strap and capable of being slid endwise upon the pivot of the pivotal connection formed between the latch and the aforesaid bar, substantially as and for the purpose set forth.

2. The combination with a box or receptacle having a bottom composed of two suitably-supported vertically-tiltable sections, of an upright bar movable up and down the receptacle, two links operatively connecting the said bar with the different bottom-forming sections, respectively, means for guiding the bar and comprising a strap that straddles the bar from one side of the latter and is rigidly secured to the body portion of the receptacle and extends to, or in close proximity to, the receptacle's upper extremity, and a latch pivoted to the upper end of the aforesaid bar and having the pivot-engaging hole elongated longitudinally of the latch, all arranged and operating substantially as shown, for the purpose specified.

Signed by me at Lorain, Ohio, this 19th day of April, 1900.

RUDOLPH HOFFMAN.

Witnesses:

LILLIAN CARTER,
C. G. WASHBURN.