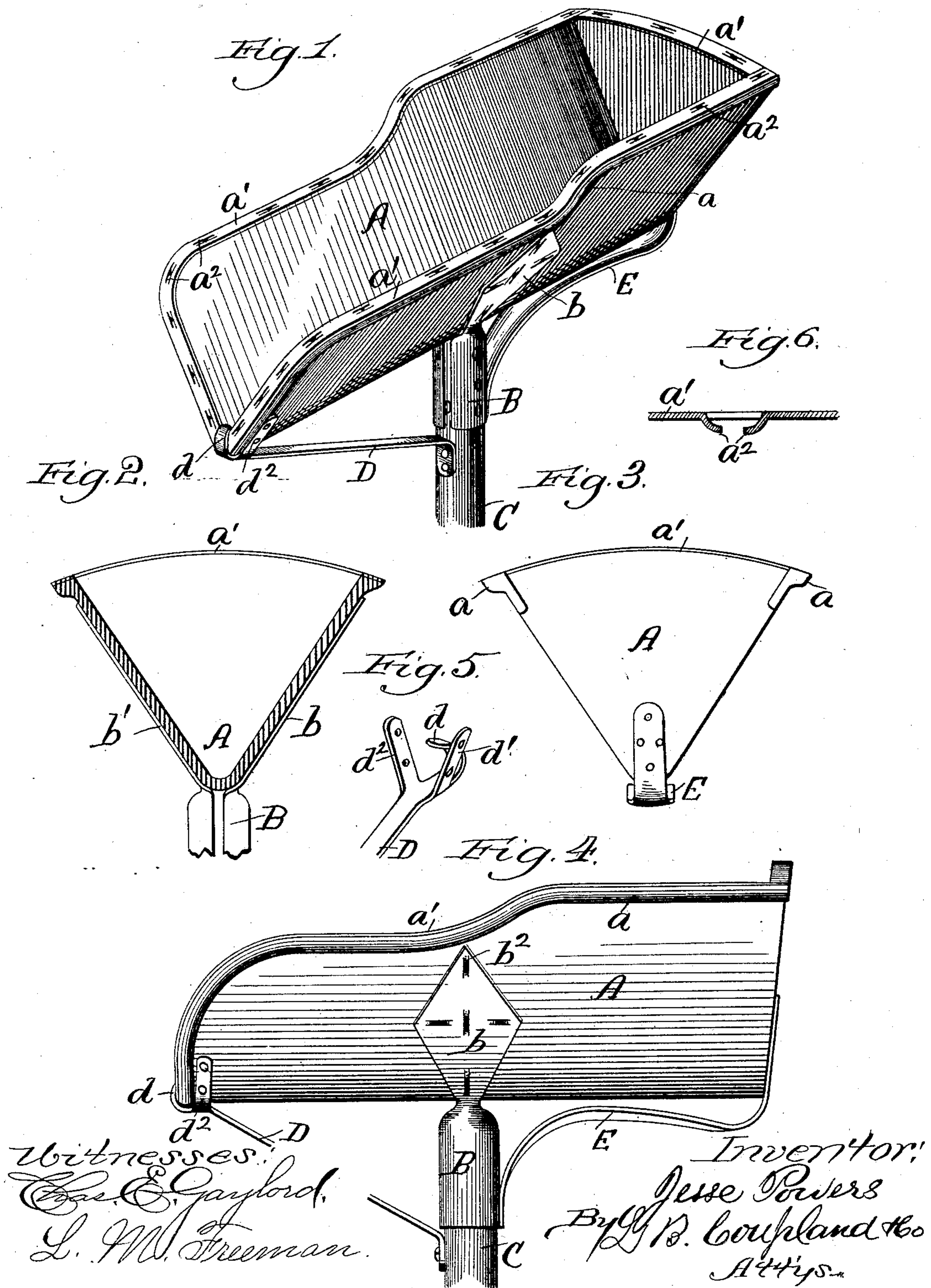


(No Model.)

J. POWERS.
BRICK HOD.

No. 360,618.

Patented Apr. 5, 1887.



UNITED STATES PATENT OFFICE.

JESSE POWERS, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO MICHAEL B. BAILEY, OF SAME PLACE.

BRICK-HOD.

SPECIFICATION forming part of Letters Patent No. 360,618, dated April 5, 1887.

Application filed November 30, 1886. Serial No. 220,325. (No model.)

To all whom it may concern:

Be it known that I, JESSE POWERS, of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in a Brick-Hod, of which the following is a full, clear, and exact description, that will enable others to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

This invention relates to improvements in that class of hods used in carrying brick and mortar.

The object of this invention is to provide an article combining lightness, cheapness, and durability, and will be of such construction and material as to retain its original shape under all ordinary circumstances. To this end I make the hod body or box in a single piece from paper or wood pulp by compressing the material in a former or mold of the desired shape, the edges of the hod being at the same time strengthened by means of a metal binding secured to the same during the process of compression, which also provides means for attaching a handle thereto, all as will be hereinafter set forth.

Figure 1 is a view in perspective of a hod embodying my improved features; Fig. 2, a transverse section; Fig. 3, a rear end view; Fig. 4, a side elevation; Figs. 5 and 6, detached details of construction.

In the drawings, A represents the hod body or box, which is composed of paper or wood pulp, and formed as a whole by being pressed into the desired shape while the material is still in a pulpy or liquid mass. The back end and a part of each side is higher than a portion of the front end, as shown in Fig. 1. The object in raising a portion of the sides and back is to prevent the liquid contents from running over and dropping onto the back of the carrier, as the hod will not be filled above the level of the lowest part. The top edges of the sides are formed with the molding-bead *a*. On the top of this molding and across the back end is mounted the metal binding-strip *a'*. This strip, or strips, is provided at intervals with the holding-hooks or indentations *a''*, (see Fig. 6,) which are formed integral by cutting the same out of the metal and bending

the inner ends downwardly, as shown. By this means the edges of the hod are greatly strengthened and prevented from being damaged.

In the process of manufacture the strip *a'* is first placed in the bottom of the form or mold, with the hooks *a''* pointing upward. In this position the pulp fills in around the hooks, so that when the pressure is applied they are so firmly embedded in the material that the binding-strip is rigidly secured or locked in place against any possible displacement under ordinary circumstances.

The shank B, for the reception of the handle C, is provided with the attaching clip-plates *b b'*, which are bent outwardly to correspond with and to lie flatly against the exterior sloping sides of the hod-receptacle. These clips are provided with a number of hooks or indentations, *b''*, corresponding with the hooks *a''* in the binding-strip. By this means the shank for receiving the handle is rigidly and firmly secured to the body of the hod during the process of formation in the mold.

The front end of the hod is supported and strengthened with relation to the handle C by means of the brace D, one end of which is bent around and rigidly secured to the handle, while the extreme opposite end is curved to form the hook *d*, which overlaps and engages with the nose end of the hod at the lowest part or junction of the sloping sides, forming the hod-box. The brace D is provided on each side of the hook end *d* with the attaching-straps *d' d''*, (see Fig. 5,) which are set at an inclined angle corresponding to the sloping sides of the hod, and are riveted or otherwise rigidly secured to the exterior surface of the same, as shown in Figs. 1 and 4. The hook end *d* of the brace D also protects the nose of the hod from being damaged while discharging the load.

The metallic spring-brace E connects the handle and rear end of the hod, as shown. This brace is curved to fit the shoulder, and serves as a spring-pad to ease and lighten the load, and also affords additional strength to the structure.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. A hod, as described, the body or box whereof is composed of paper or wood pulp, 5 formed as a whole and provided along the edges with a strengthening molding-bead by being compressed in a former or mold of the desired shape, substantially as set forth.

2. The combination, with a hod-body composed wholly of paper or wood pulp and compressed into the desired shape, of a metal binding-strip extending around the edges of the same and provided with suitable attaching-hooks or indentations, whereby said strip 15 is rigidly secured in place in the process of formation, substantially as set forth.

3. The combination, with a hod compressed from paper or wood pulp in a single piece, of a shank adapted to receive a handle, and provided with clip-plates, as described, whereby 20 said shank is rigidly and permanently secured to said hod in the former or mold, substantially as set forth.

4. The combination, with a hod, as described, of the brace D, provided with the hook end *d* and the attaching-straps *d'* *d''*, and the handle C, substantially as set forth. 25

5. The combination, with a hod, as described, of the metallic spring-brace E and the handle C, said brace being curved to fit the shoulder, substantially as and for the purpose set forth. 30

6. The combination, with a hod body or box, as described, of a metal binding-strip extending all around and protecting the exposed edges of said body, and a shank adapted to receive a suitable handle, and both said binding-strip and shank being permanently attached by compressing the same in the former or mold with the material forming the body 35 of the hod, substantially as set forth. 40

7. The combination, with a hod body or box composed wholly of paper or wood pulp compressed into the desired form and provided along the edges with a molded bead, of a metallic binding-strip extending around the edges 45 of said hod-body and secured thereto in the former or mold, a shank secured to said hod-body in a like manner, the braces D and E, and the handle C, substantially as set forth.

JESSE POWERS.

Witnesses:

L. M. FREEMAN,
L. B. COUPLAND.