

(No Model.)

U. HULL & W. W. McEWAN.
PAPER PAIL.

No. 454,799.

Patented June 23, 1891.

Fig. 1.

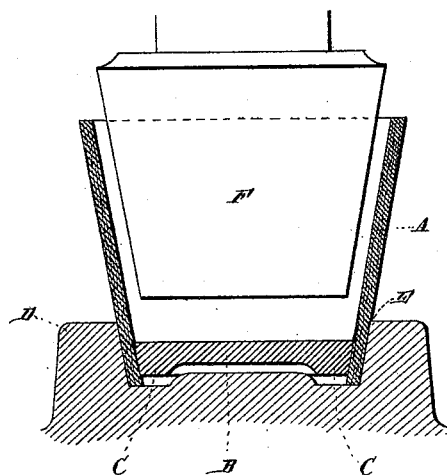
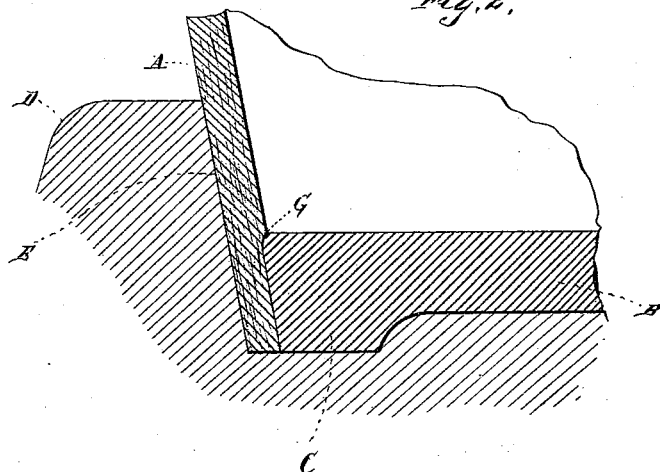


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

UZAL HULL AND WILLIAM W. McEWAN, OF BELVIDERE, NEW JERSEY,
ASSIGNORS TO THE NEW YORK WOOD FIBRE COMPANY, OF SAME
PLACE.

PAPER PAIL.

SPECIFICATION forming part of Letters Patent No. 454,799, dated June 23, 1891.

Application filed September 29, 1890. Serial No. 366,543. (No model.)

To all whom it may concern:

Be it known that we, UZAL HULL and WILLIAM W. McEWAN, citizens of the United States, and residents of Belvidere, in the county of Warren and State of New Jersey, have invented certain new and useful Improvements in Paper Pails; and we do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a vertical section of the pail and press-base with the follower. Fig. 2 is an enlarged section of pail and press-base, partly broken.

This invention has relation to paper pails; and it consists in the novel construction and combination of parts, all as hereinafter set forth.

In the accompanying drawings, the letter A designates the conical side wall of a pail, and B the bottom of said pail. The conical side wall A is usually formed by winding a film of paper-pulp upon a conical roller and afterward trimming its edges. The bottom disk B is formed by pressure from paper-pulp and is made of considerable thickness, usually an inch, at the edge C, said edge having a bevel upward and outward corresponding to the slope of the side wall, within the lower portion of which said bottom disk is designed to be placed. This bottom disk is made hard by drying and pressure and is usually waterproofed by oil saturation before it is placed in position.

D represents a press-base having a conical recess E, the side wall of which is of similar slope with that of the side wall of the pail to be formed.

F represents the conical follower of the press.

The conical side wall A of the pail is dampened and seated within the recess E, and the hardened bottom piece B is placed with the side wall of the body portion A. The press is then operated to depress the follower F, forcing the bottom piece down flush with the lower margin of the body A. The bottom being of hard character, seats itself in the side wall A, so that it is held firmly below because of the slope of said side wall and above by the slight shoulder G, formed around the interior of the side wall by the inseat of the bevel edge of the bottom in the softer material of the side wall. As the side wall shrinks in drying, this inseat of the bottom becomes more pronounced, and it is therefore in this manner designed to be securely locked in position, so that it cannot move up or down. After the bottom piece has been set as hereinbefore described the entire pail is finished by waterproofing and varnishing.

Having described this invention, what we claim, and desire to secure by Letters Patent, is—

The paper pail having the frusto-conical body portion and the dried and hardened beveled-edge bottom portion inseat in one end of said body portion by the shrinkage of the said body portion and held in position by its slope and by the shoulder formed by said inseat, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

UZAL HULL.
WILLIAM W. McEWAN.

Witnesses:

ISRAEL HARRIS,
MADISEN RAISLEY.