

No. 670,507.

Patented Mar. 26, 1901.

A. DIEM.
PAPER BAG.

(Application filed Oct. 26, 1900.)

(No Model.)

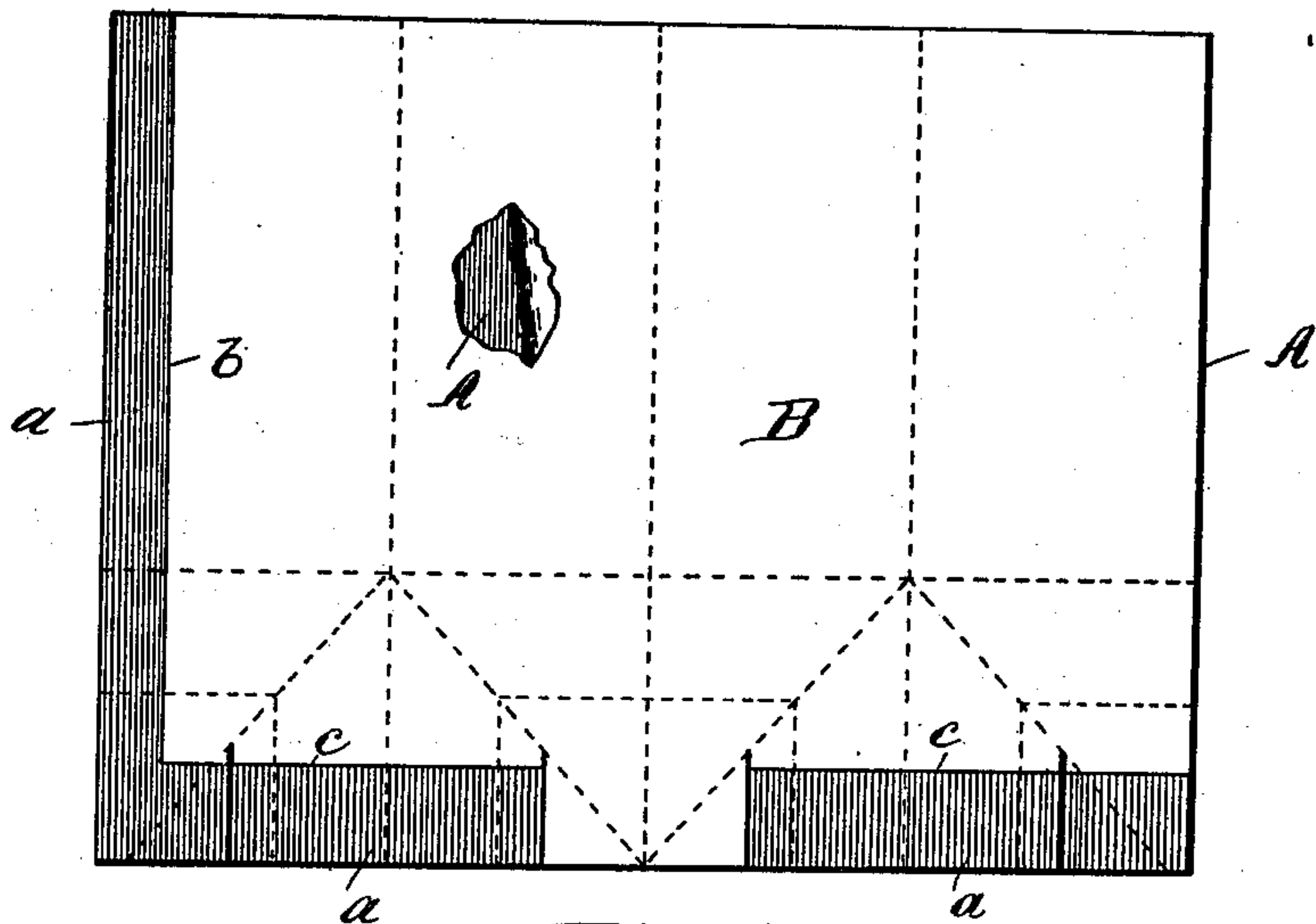


Fig. 1.

Fig. 2.

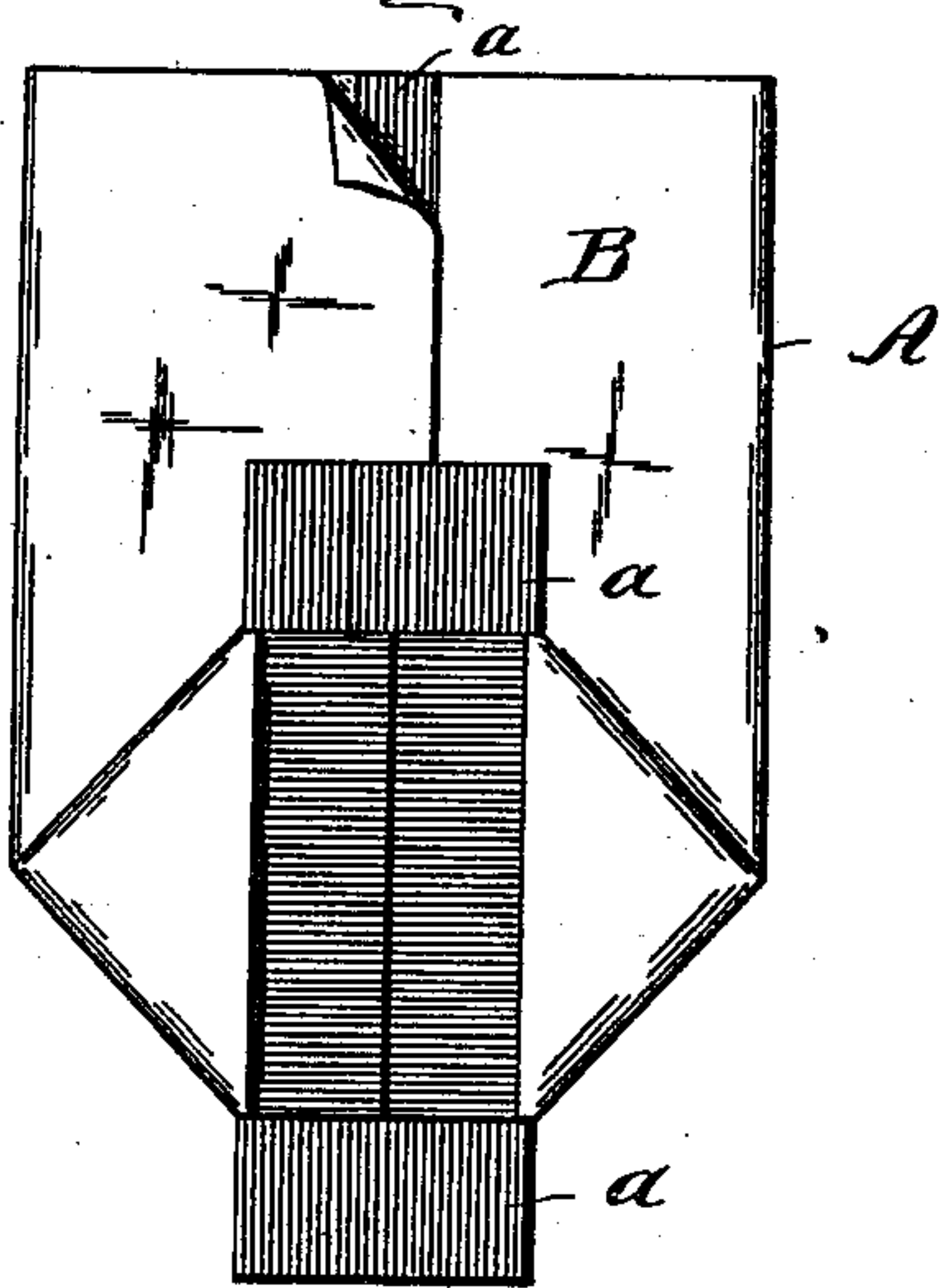
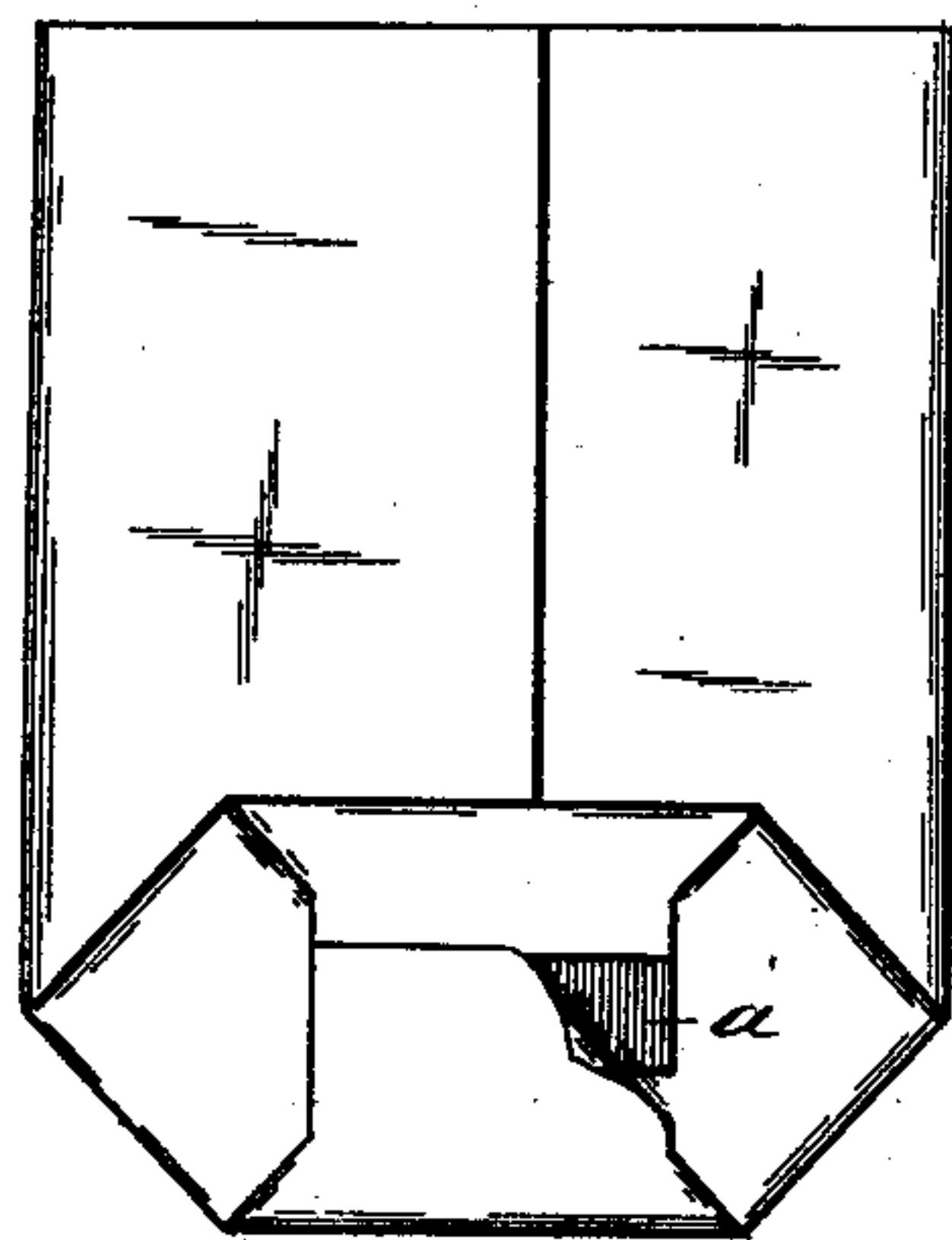


Fig. 3.



Witnesses.
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ALBERT DIEM, OF CINCINNATI, OHIO.

PAPER BAG.

SPECIFICATION forming part of Letters Patent No. 670,507, dated March 26, 1901.

Application filed October 26, 1900. Serial No. 34,429. (No model.)

To all whom it may concern:

Be it known that I, ALBERT DIEM, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented a certain new and useful Improvement in Paper Bags, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention has to do with the construction of paper bags made of manila or rope stock of the character generally employed in the manufacture of the heavier and stronger bags or sacks and at the same time providing such bags with a smooth and white surface on the exterior or interior, as desired, giving it a fancier and more finished appearance and at the same time providing a surface better adapted for any imprint or inscription it may be desired to place thereon.

In the drawings, Figure 1 is a plan of the blanks cut and scored to fold into bag form. Fig. 2 is a plan view of the blanks partially folded. Fig. 3 is a plan view of the blanks folded into bag form, portions of the facing-blank being partially torn away in the various figures to show the main blank.

A is a blank or sheet of paper of the heavy manila or rope character, which is generally supplied in rolls and of a width corresponding with the size or depth of the bag into which it is to be made, the stock from the rolls being fed to a machine, where it is cut and scored in the desired manner and glued and folded into bag form, the scores being indicated by dotted lines in the drawings and the heavy lines indicating slits, and the places where the glue or other suitable adhesive material is applied being indicated by reference-letter *a*. To meet the wants and needs of the trade, it has often been necessary to provide these bags with a smooth white surface for the purpose of receiving any desired imprints or inscription and also to give the bag or sack a more finished appearance. Heretofore this has been done by giving the manila or rope stock a sort of chemical or "clay" finish, giving it a white surface, whereby any printed matter placed thereon would more plainly be displayed. This clay or whitened surface was, however, more or less objectionable, for the

reason that it would rub and become effaced, and thus especially making it objectionable when it was desired to provide the bag with any advertising matter on its surface. To overcome this objection and provide a permanent white and finished surface, I provide a secondary blank B of thin white paper, which is to be adhesively secured to the main blank A. As this blank or sheet B is merely intended to give the bag a finished white surface, for the sake of economy and weight it is cut from very thin stock, which would not have sufficient strength to permit the overlapping portions of the bag to be glued onto it. It is therefore necessary in order to produce a strong and secure bag to cut the blank B in the manner shown, the blank B being cut away at the points *c c*, exposing the portions of the main blank A, which when the blank is folded into bag form overlap and form the bottom. The secondary or "facing" blank B is also cut away at *b*, thus permitting the exposed portion of the blank A to come into contact with the overlapping end of said blank A. The blank B being previously cut, as above described, is then glued or securely fastened throughout its entire length to the main blank A, exposing the one end of the blank A and the portions of the blank A which form the bottom. The two blanks thus secured together are then properly scored, the exposed portions of the main blank A being provided with suitable adhesive material and folded into bag form, bringing the exposed parts of the blank A into contact with the overlapping parts of said main blank A.

I have illustrated in the drawings the facing-blank B almost entirely cut away at the bottom portion, with the exception of the part at the center, merely as an exemplification of my invention. It will be understood, however, that the construction of bag may be varied and the facing-blank B so cut away as to either cover more of the main blank than is illustrated in the drawings or less, as is desired, and I do not wish to limit myself to the exact construction shown in the drawings.

Should it be desired to provide the bag with a smooth white surface on the inside as well as the outside, it is simply necessary to provide another blank so cut away as to leave

the opposite side of the blank exposed, leaving it free to come into contact with the adjacent overlapping side.

I have described or spoken of the secondary blank B being secured throughout its entire length to the main blank A. I do not wish to be understood as intending to say that the entire surface of blank B is necessarily glued or adhesively secured to blank A; but what I do wish understood is that the edges of the secondary blank B throughout must be secured to the main blank A and not merely secured at the middle or central portion with the edges unsecured, and it is with this understanding that the word "entirely" is used in the claims.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a paper bag, comprising a main blank cut and scored to fold into bag form, a secondary blank entirely secured to the main blank and having cut-away portions so as to permit the overlapping sides and bottom portions of the main blank to be adhesively

secured upon themselves, substantially as shown, and for the purpose of providing the bag with a smooth surface.

2. In a paper bag, the combination with a main blank cut and scored to fold into bag form, of a facing-blank of lighter material entirely secured to said main blank, and having cut-away portions *b, c*, to permit of the overlapping portions of the main blank to be glued upon themselves, substantially as shown, and for the purpose of providing the bag with a smooth surface.

3. In a paper bag, comprising two facing-blanks, incasing the main blank and entirely secured thereto, said blanks cut and scored to fold into bag form, the facing-blanks having cut-away portions at the side and bottom to permit the overlapping main blank to be adhesively secured upon itself, substantially as and in the manner specified.

ALBERT DIEM.

Witnesses:

ALVIN BODEMER,
GEORGE HEIDENAU.