

O. E. GLIDDEN & A. S. NICO.
SEALED RECEPTACLE.
APPLICATION FILED NOV. 15, 1912.

1,101,430.

Patented June 23, 1914.

Fig. 1.

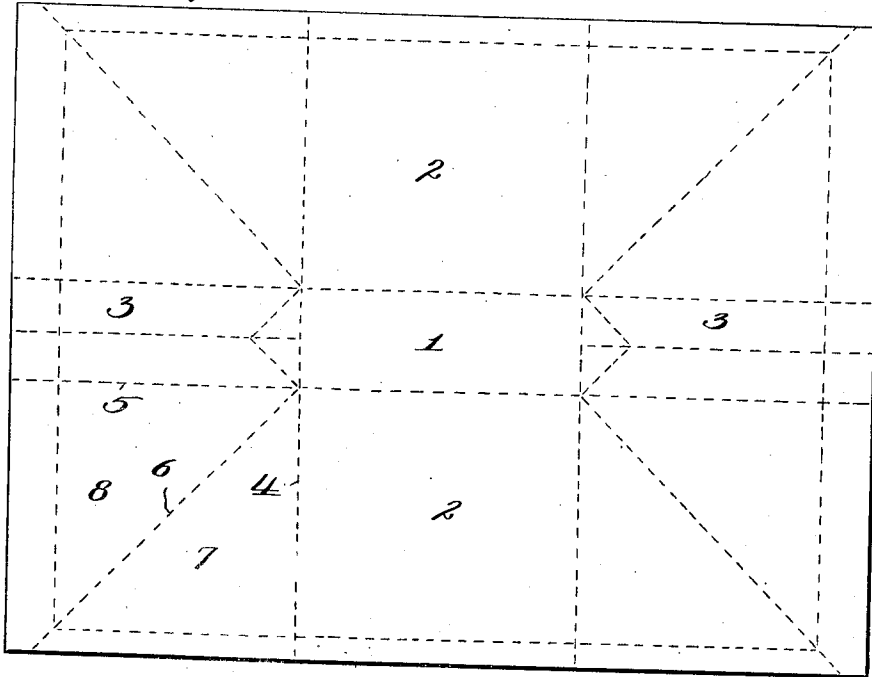


Fig. 2.

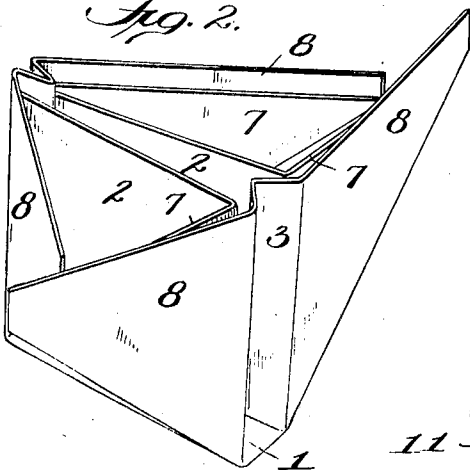


Fig. 3.

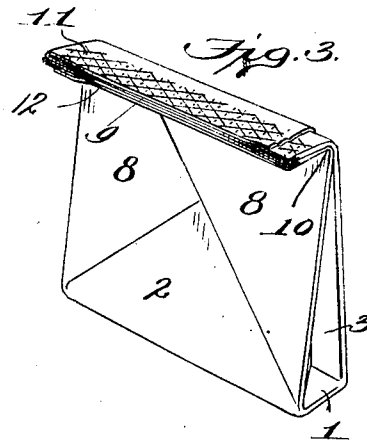
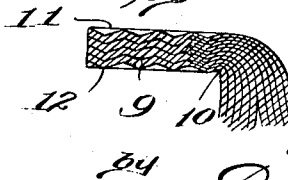


Fig. 4.



Witnesses:

C. A. Bateman

C. A. Bateman

Inventors:

Otis E. Glidden
Andrew S. Nico

James L. Morrow
Att'y.

UNITED STATES PATENT OFFICE.

OTIS E. GLIDDEN AND ANDREW S. NICO, OF LE ROY, NEW YORK, ASSIGNORS TO THE
GENESEE PURE FOOD COMPANY, OF LE ROY, NEW YORK, A CORPORATION OF NEW
YORK.

SEALED RECEPTACLE.

1,101,430.

Specification of Letters Patent.

Patented June 23, 1914.

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To all whom it may concern:

Be it known that we, OTIS E. GLIDDEN and ANDREW S. NICO, citizens of the United States, residing at Le Roy, in the county of Genesee and State of New York, have invented new and useful Improvements in Sealed Receptacles, of which the following is a specification.

Our present invention relates to improvements in paper receptacles and more especially to those of the type which are sealed and impervious to moisture, and the primary object of the invention is to provide a receptacle, preferably in the form substantially of a bag, and composed of moisture-proof paper or material, folded in a manner to form a suitable space for the contents and to bring all the free edges of the paper or material together, the free edges of the paper or material being then sealed by compression preferably between serrated jaws which may be either heated or at normal temperature, such compression serving to intimately unite the layers of paper and to cause adhesion between them, thereby effectually closing the receptacle. It is also preferable to crease and bend the compressed portion of the receptacle laterally or at an angle to the body thereof and to iron the compressed portion whereby the same has a tendency to remain in sealed condition.

A sealed and moisture-proof bag embodying the present invention can be made cheaply and readily by machinery of relatively simple construction, and the use of paste, metallic or other fastening means is avoided.

In the accompanying drawings:—Figure 1 is a diagram of a blank from which a receptacle embodying the present invention may be made; Fig. 2 is a perspective view of the partially folded receptacle; Fig. 3 is a perspective view of the completed receptacle; Fig. 4 represents, on an enlarged scale, a section through the sealed end of the receptacle.

Similar parts are designated by the same reference characters in the several views.

Sealed packages, bags or receptacles embodying the present invention can be made in various forms, that shown as an example in the present instance being in the form of a bag having a satchel bottom, and it is made preferably from a blank of paraffin

coated or so-called wax-paper and folded to form a rectangular bottom 1, sides 2, and ends 3, the lines 4 and 5 indicating the folds between the corners of the blank and the sides and ends respectively, the corners of the blank being folded on the diagonal lines 6 to form substantially triangularly-shaped flaps composed of the sections 7 and 8 which overlap and are folded against the respective sides 2 of the receptacle, as shown in Fig. 2. In making up a bag or receptacle in this manner, the top edges of the sides 2 and ends 3 and also the top edges of all the flap sections 7 and 8 are brought together in lapped relation around the mouth of the bag.

After the bag has been supplied with its contents, the bag is ready to be sealed, and the sealing, according to the present invention, consists in strongly compressing the lapping top edges of the bag whereby the wax or material with which the paper is coated causes a tight closure and a firm adhesion between the different layers. The sealing operation is preferably performed by compressing the upper lapped edges of the bag between jaws having serrations, the projections on one jaw being opposite to the depressions of the companion jaw, compression of the layers of wax paper between such jaws crimping and corrugating the paper in such manner as to cause firm adhesion between the wax surfaces and forming the several layers into a stiffened bar 9 which has a permanent set and has a tendency to maintain the edges of the bag surrounding the mouth thereof in closely contacting sealed condition. To assist in maintaining the bag in closed sealed condition, it is preferable to bend the bar 9 sharply on the line 10 into an angular position and to iron the opposed faces 11 and 12 of the bar 9, thereby increasing the adhesion between the layers of wax-paper composing the bar and also giving a finished appearance to the exposed faces of the bar.

A sealed bag or receptacle embodying the present invention is especially adapted to be used within a carton, and the seal provided enables bags or receptacles composed of wax paper to be closed effectually.

We claim as our invention:—

1. A sealed receptacle composed of a single rectangular sheet of material, all the edges of the sheet being brought together into lapped

relation about the mouth of the receptacle, the mouth of the receptacle being closed and sealed by compression and indentation of the lapped edges of the material into intimate contact.

5 2. A sealed receptacle composed of a sheet of material having all the edges thereof brought together and lapped in a line across the top of the receptacle, said lapped
10 edges being compressed and formed with interengaging indentations to seal the receptacle.

15 3. A satchel-bottom receptacle composed of a single sheet of paper folded to form a body and having all the marginal edges thereof brought together in lapped relation in a line extending across the top of the receptacle, such lapped portions being com-

pressed and indented to form interengaging projections and depressions.

4. A receptacle composed of a sheet of paper formed into a body and having all the edges of the sheet brought together in lapped relation about the mouth of the bag, said lapped portions being indented and compressed into intimate adhering contact and bent angularly with respect to the body of the bag.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

OTIS E. GLIDDEN.
ANDREW S. NICO.

Witnesses:

BLANCHE H. FLAHERTY,
MARIE L. WALTERS.