

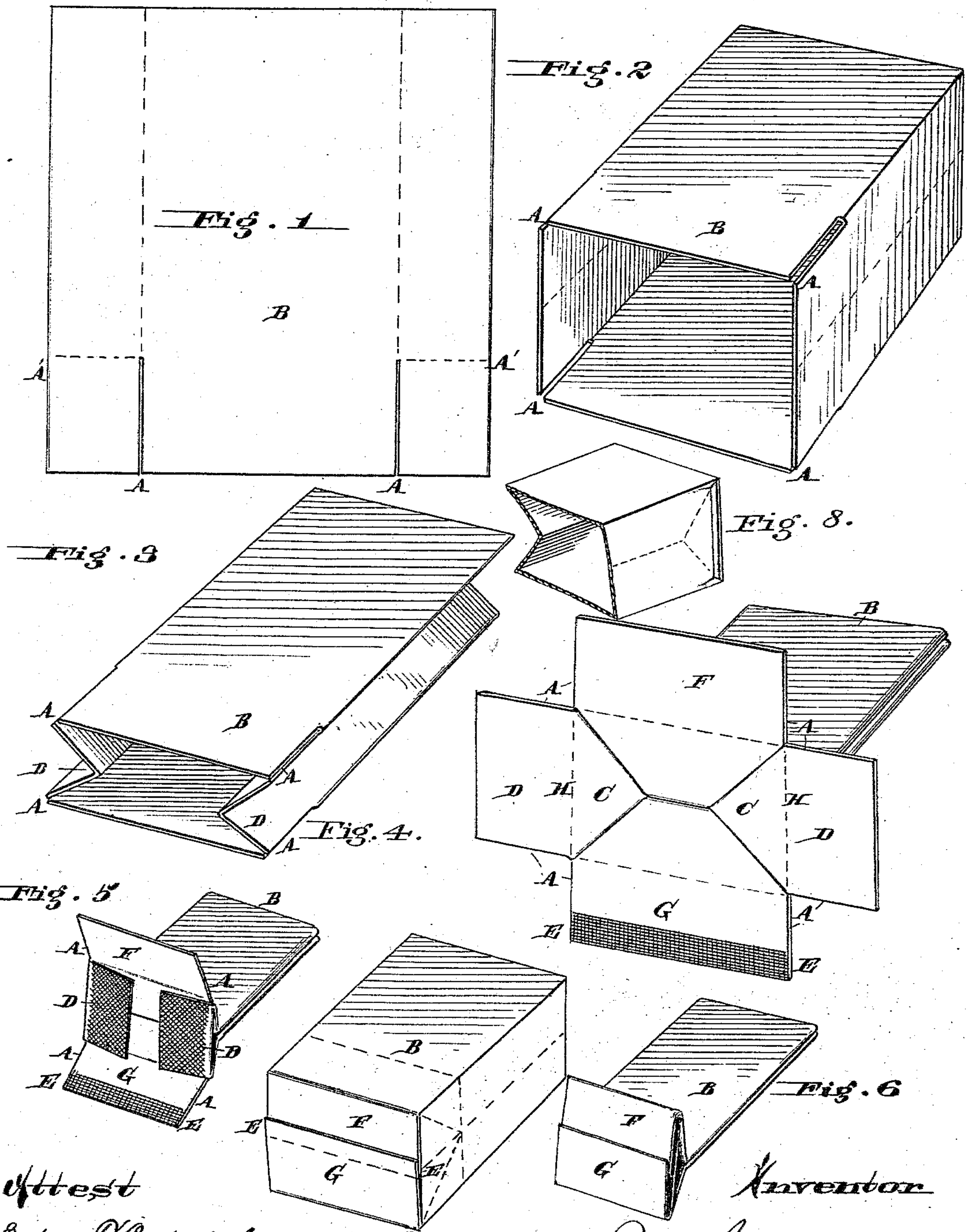
(No Model.)

J. P. ONDERDONK.

PAPER BAG.

No. 296,871.

Patented Apr. 15, 1884.



Attest

Charles S. Onderdonk

Inventor

J. P. Onderdonk

UNITED STATES PATENT OFFICE.

JOHN P. ONDERDONK, OF PHILADELPHIA, PENNSYLVANIA.

PAPER BAG.

SPECIFICATION forming part of Letters Patent No. 296,871, dated April 15, 1884.

Application filed May 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. ONDERDONK, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Paper Bags, of which the following is a specification, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The invention will first be described, and then specifically pointed out in the claims.

In the accompanying drawings, Figure 1 represents an ordinary paper tube, B, in which two slits, A A, are cut. The tube B is then opened out, as represented in Fig. 2. The tube is then folded with inward bellows folds, as represented in Fig. 3. The tube B may be slit, as shown in Fig. 1, or the corners may be cut apart after the tube is folded with inward bellows folds, as shown in Fig. 3. Fig. 4 represents the manner in which the bottom of the tube is then folded, making the triangular pieces C C and the flaps D D. Paste is then applied along the wide dark line E E. The flaps D D are then folded over upon the triangular pieces C C, as shown in Fig. 5, and paste applied on the flaps D D, as shown by the dark crossed lines. The piece F is then folded down upon and pasted to the flaps D D, after which the piece G is folded down upon the piece F and pasted to it by the paste. (Represented by the wide dark line E E.) The bag appears as in Fig. 6, and when open for use appears as in Fig. 7.

Similar letters refer to similar parts throughout the several views.

The flaps D D may be cut off entirely, as shown by the dotted line A' A' in Fig. 1. In this case the pieces F and G are pasted to the triangular pieces C C along the dotted line H, Fig. 4, and then pasted to each other, as in the former case. Fig. 8 represents the bag made in this manner. I prefer, however, for greater strength, to turn the flaps D D over and paste the pieces F and G to them, as shown in Fig. 5. The flaps D D may be folded over upon the pieces F and G and pasted to them.

In this case the pieces F and G are folded down and pasted together on the wide dark line E E. The flaps D D are then supplied with paste and pasted upon the pieces F and G. The flaps D D may be of any length desired. They may be partially cut off or turned over their whole length, as shown in the drawings.

The object of my invention is to make a bellows-fold bag having a satchel-bottom, which is easily manufactured, and is not subject to the objections of paper bags having bellows folds and satchel-bottoms in which the corners are not cut apart, as in my invention.

The method of manufacturing paper bags above described is not claimed in this application, but forms the subject-matter of another application for Letters Patent filed by me upon the 4th day of December, 1883, No. 113,509.

I am aware that a patent was issued to Arkell, Smith, and Smith, April 25, 1865, No. 47,376, and reissued February 13, 1872, No. 4,749, for cutting a paper tube not having inward bellows folds; also, that a patent was issued to D. Appel, November 23, 1880, No. 234,838, for a method of folding a satchel-bottom on a bellows-fold paper tube; also, that a patent was issued to M. L. Deering, May 11, 1880, No. 227,350, and reissued April 11, 1882, No. 10,083, for a method of folding a satchel-bottom on a bellows-fold paper tube; but all of these inventions I disclaim.

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

1. A paper bag having a satchel-bottom and inward bellows folds, in which the corners of the inward bellows folds are cut apart, substantially as shown and described.

2. A paper bag having a satchel-bottom and inward bellows folds, in which the corners of the inward bellows folds are cut apart and the flaps D D cut off, substantially as shown and described.

JNO. P. ONDERDONK.

Witnesses:

EUDORA D. ONDERDONK,
CHAS. S. ONDERDONK.

Correction in Letters Patent No. 296,871.

It is hereby certified that in Letters Patent No. 296,871, granted April 15, 1884, upon the application of John P. Onderdonk, of Philadelphia, Pennsylvania, for an improvement in "Paper Bags," errors appear in the printed specification requiring correction as follows: In line 68, the word *am* should be read before the word "aware," and in line 74 the compound word "satchel-botton" should read *satchel-bottom*; and that the Letters Patent should be read with these corrections therein to make it conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 6th day of May, A. D. 1884.

[SEAL.]

Countersigned:

BENJ. BUTTERWORTH,
Commissioner of Patents.

M. L. JOSLYN,
Acting Secretary of the Interior.