

No. 846,899.

PATENTED MAR. 12, 1907.

F. H. BEROLD, JR.
PAPER RECEPTACLE.

APPLICATION FILED NOV. 15, 1906.

2 SHEETS—SHEET 1.

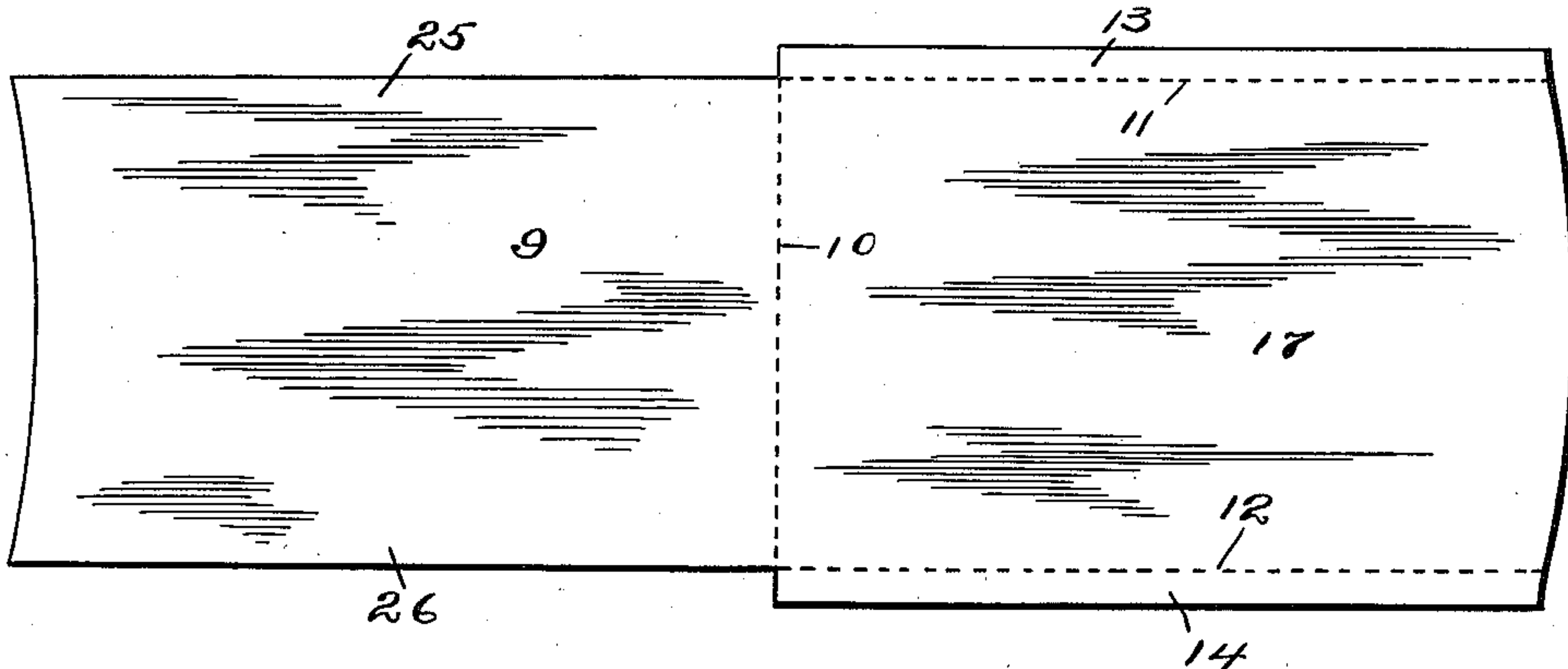


Fig. 1.

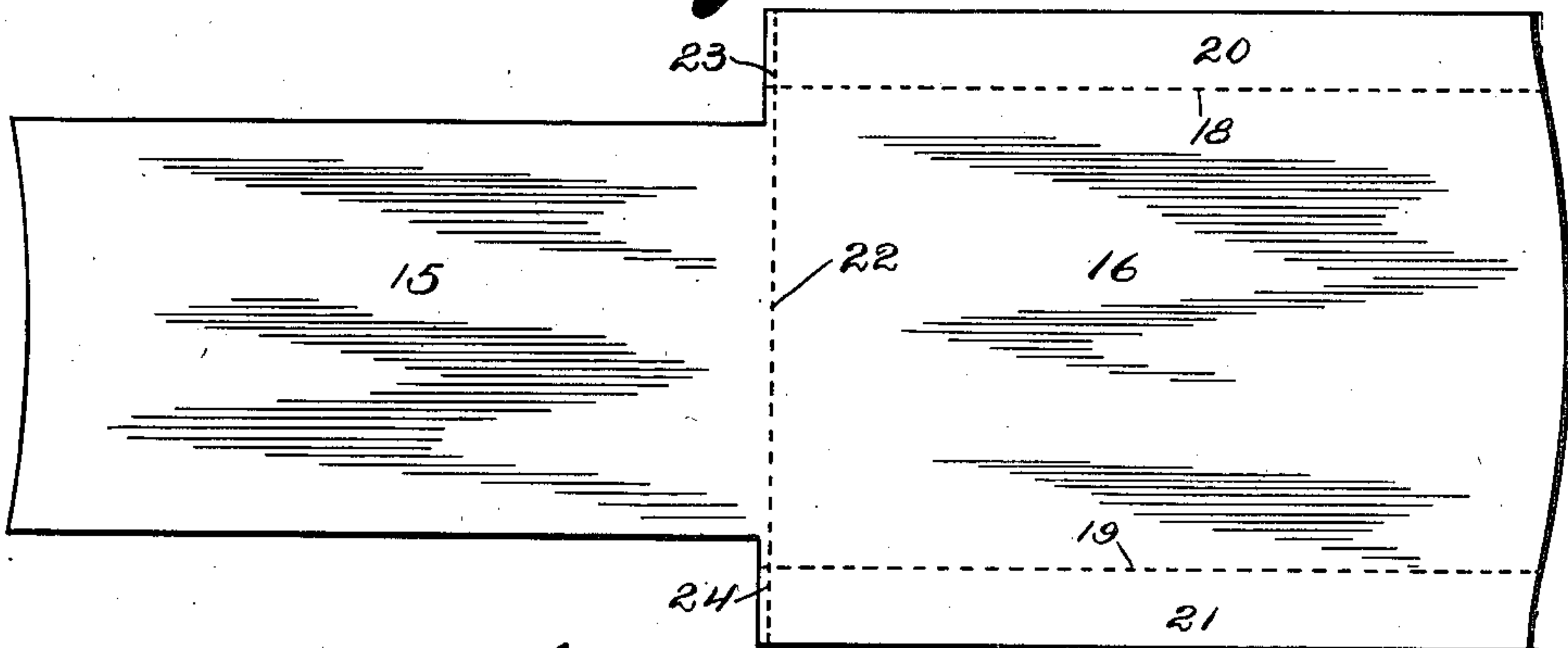


Fig. 2.

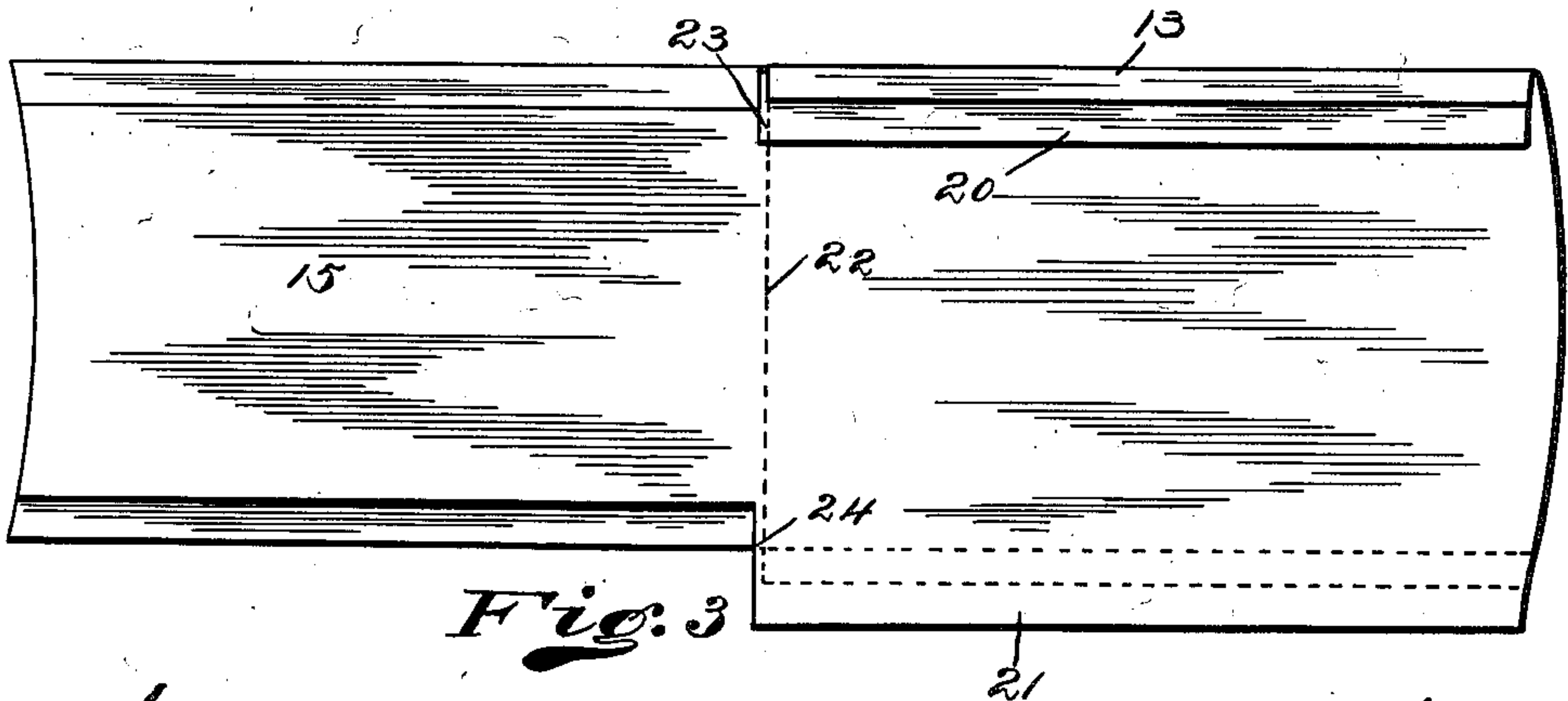


Fig. 3.

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2 SHEETS—SHEET 2.

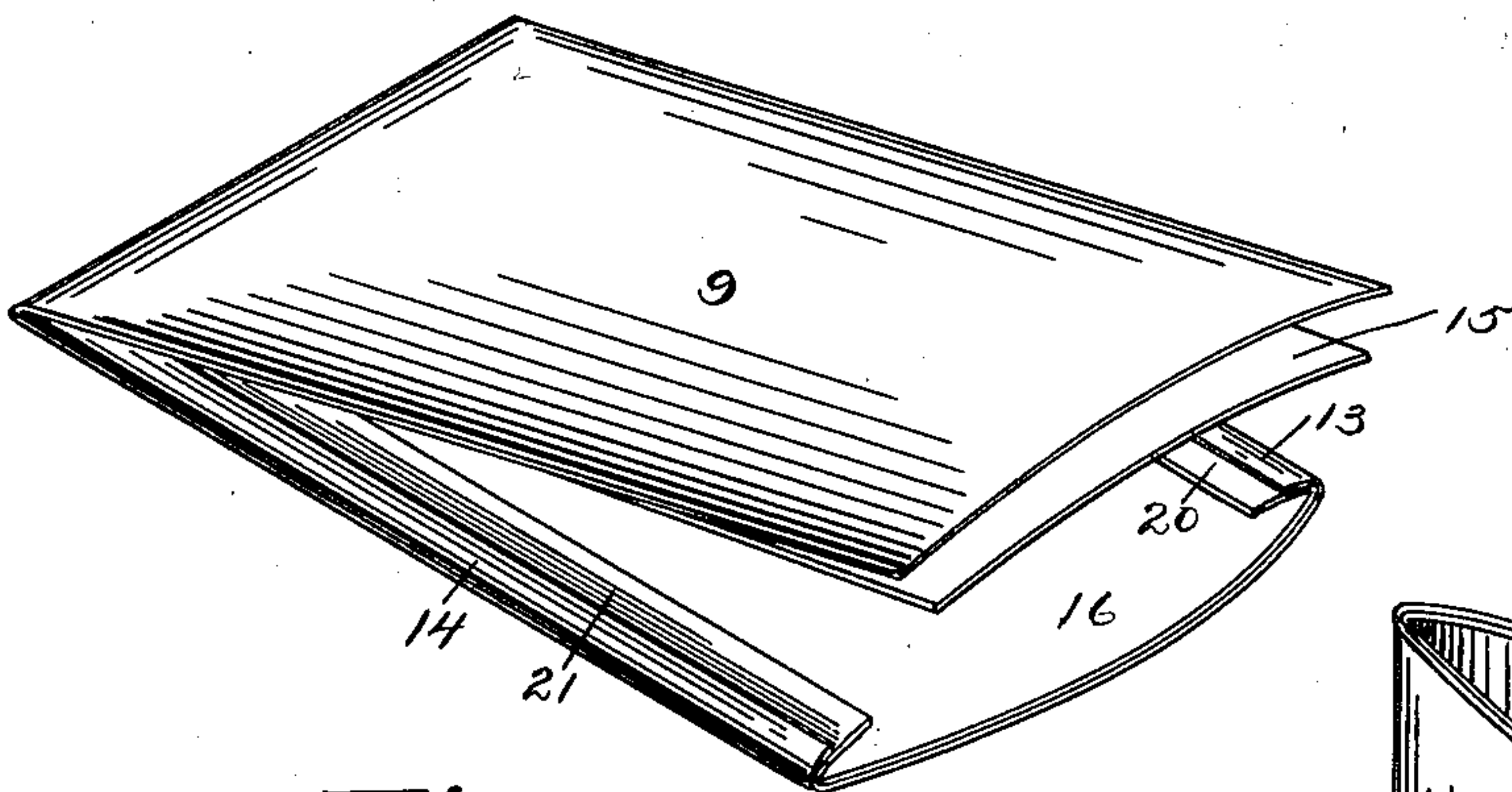


Fig. 4.

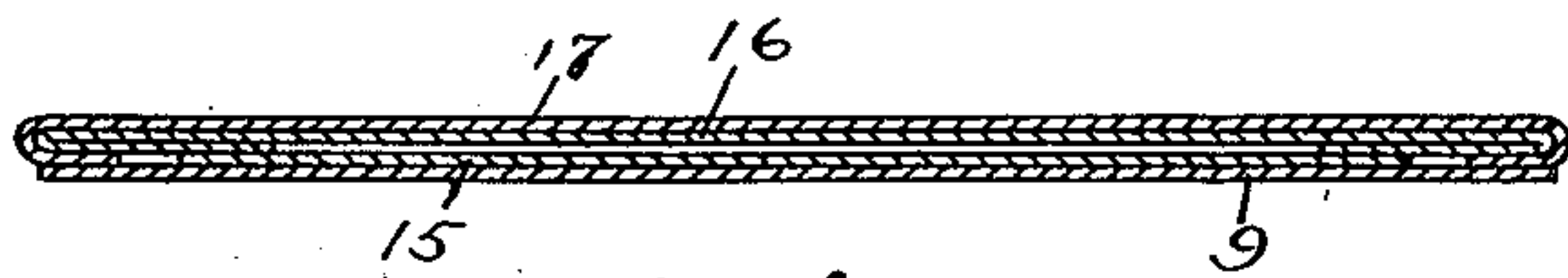


Fig. 6.

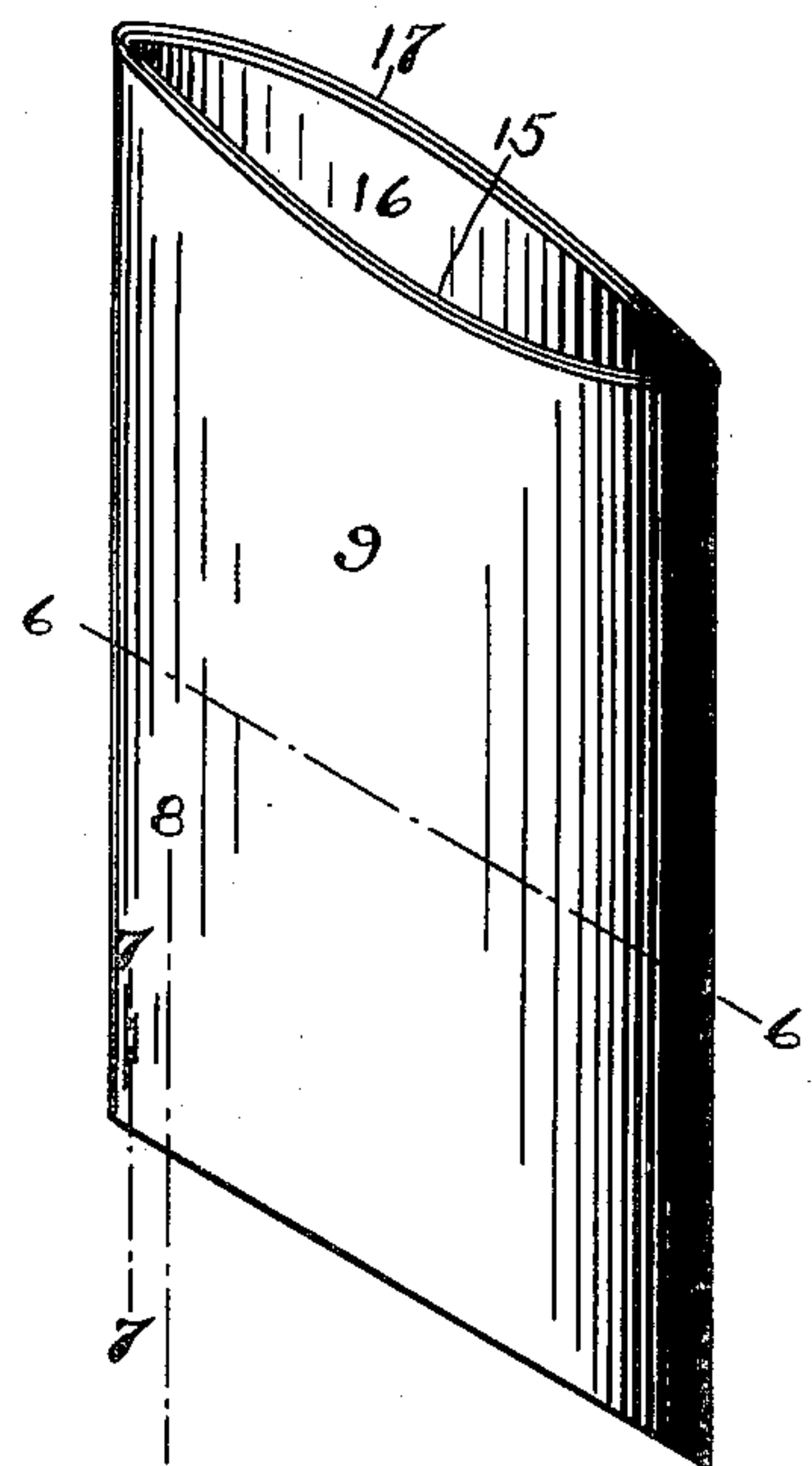


Fig. 5.

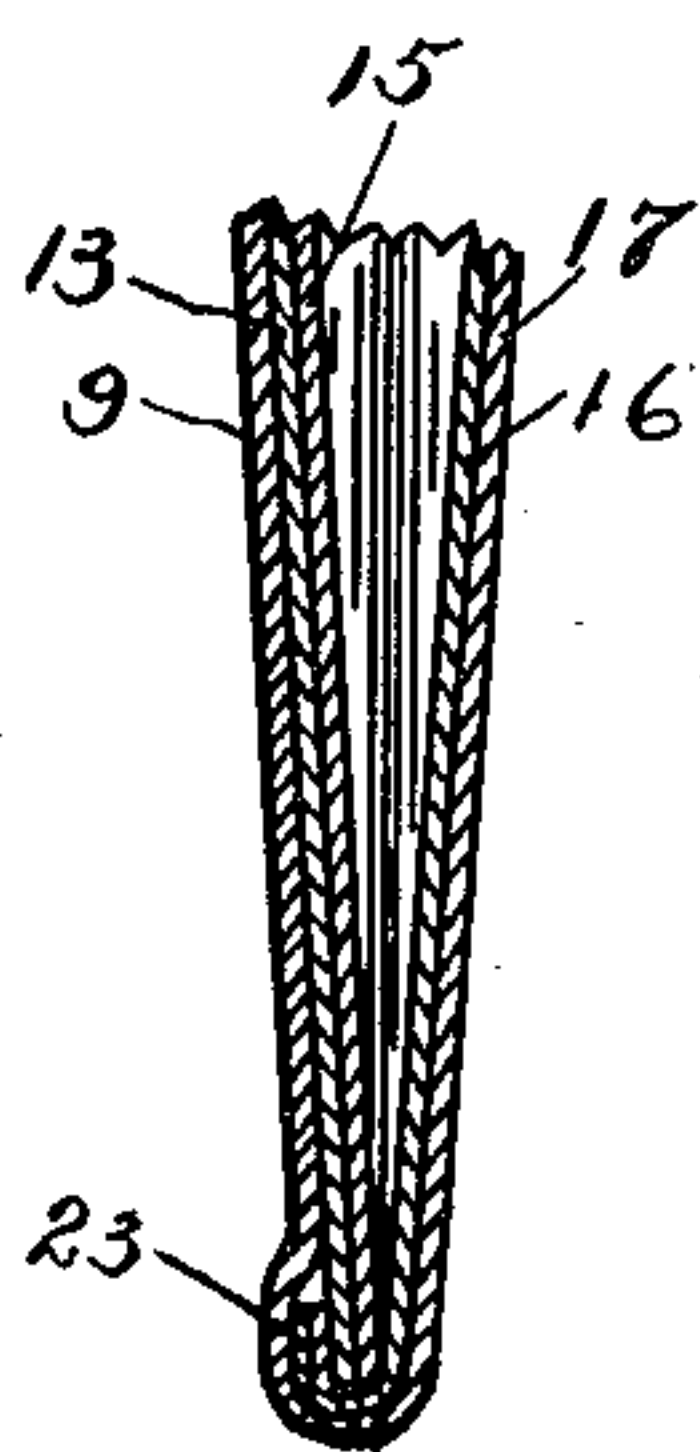


Fig. 7.

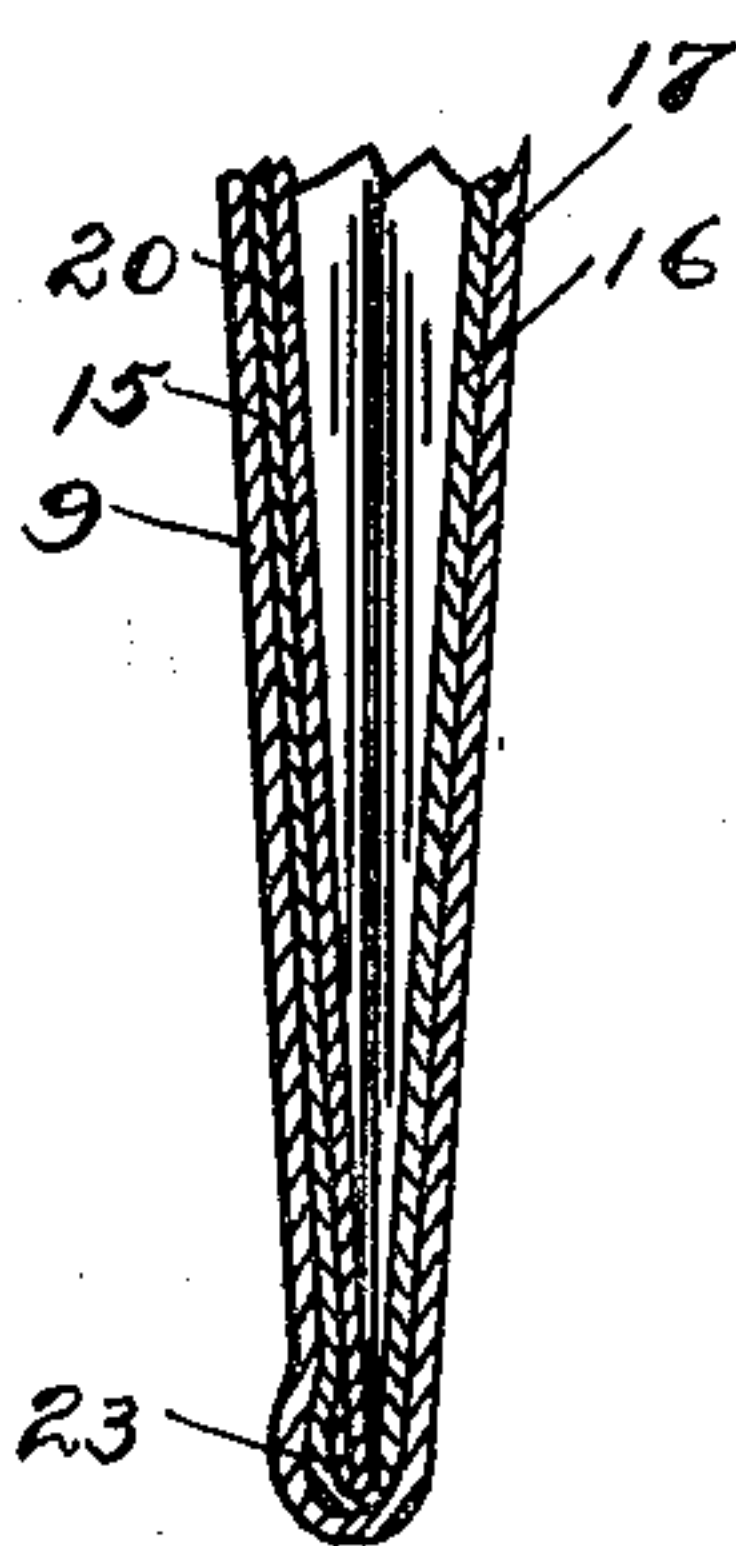


Fig. 8.

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UNITED STATES PATENT OFFICE.

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PAPER RECEPTACLE.

No. 846,899.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed November 15, 1906. Serial No. 343,568.

To all whom it may concern:

Be it known that I, FREDERICK H. BEROLD, Jr., a citizen of the United States, residing in Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Paper Receptacles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My improvements relate to that class of paper receptacles known as "flat" paper bags, in which an inner lining of waxed paper is provided to form a lining for the merchandise placed in the bag, which shall be impervious to moisture; and the purpose of my invention is to provide a simple, cheap, and effective construction in which the waxed-paper lining and the outer envelop may be folded simultaneously and the overlapping edges secured together by suitable adhesive material, in which the adhesive material may be applied simultaneously to the overlapping flaps of the lining and outer envelop, and in which the inner lining may be locked to the outer envelop, so as to prevent removal or displacement of the lining when the bag has been formed without the necessity of gluing the lining to the outer envelop, which is frequently a matter of considerable difficulty, as the waxed paper used for the linings cannot ordinarily be satisfactorily glued to the outer envelop so that the adhesion shall be permanent.

My invention consists, essentially, in forming the blanks from which the lining and the outer envelop are constructed so that one can be superimposed upon the other and the two blanks thus superimposed can be folded and glued in one operation at the same time that the lining is interfolded with the envelop to secure the same thereto.

In the drawings, Figure 1 is a plan view of the blank from which the outer envelop is constructed, the lines of fold being indicated by dotted lines. Fig. 2 is a similar view of the lining-blank. Fig. 3 is a plan view of the two blanks, the lining being superimposed upon the envelop-blank and one side edge being folded down. Fig. 4 is a perspective view showing the lining-receptacle in process of folding. Fig. 5 is a perspective view of the paper receptacle complete. Fig. 6 is a cross-section on the lines 6 6 of Fig. 5. Figs.

7 and 8 are vertical sections in detail of the bottom portion of the bag, taken on the lines 7 7 and 8 8, respectively, of Fig. 5.

A blank of suitable Manila paper is cut and scored, as indicated in Fig. 1, in which the score-line 10 forms the bottom fold for the flap 9 of the blank and the score-lines 11 12 form the fold-lines for the narrow side flaps 13 14, which flaps are folded over on the body of the blank 17 and form the flaps for the adhesive material, by which the side edges of the flat bag are secured together.

Fig. 2 illustrates the plan view of the blank of waxed paper from which the lining for the bag is constructed. This blank is cut and scored, as shown in Fig. 2, the flap 15 being narrower than the corresponding flap 9 of the outer envelop and the flap 16 being wider than the corresponding flap 17 of the outer envelop.

18 and 19 are longitudinal score-lines the same distance apart as the score-lines 11 and 12 of the envelop-blank, which form the broad side flaps 20 21 of the lining.

22 is the bottom score-line of the lining, and the blank is so cut as to leave short extensions 23 24 to the left of the score-line 22.

The lining-blank is superimposed on the outer envelop-blank, as shown in Fig. 3, with the score-lines 10 22, 12 19, 11 18 coinciding, so that the side edges 25 26 of the flap 9 of the envelop or outer blank extend beyond the side edges of the flap 15 of the lining and so that the flaps 21 and 20 of the lining extend beyond the flaps 13 and 14 of the envelop-blank. The flaps 16 and 17 are then folded over together, as shown in Fig. 3, for one side and adhesive material applied thereto. The flaps 15 and 9 are then folded over together, as shown in Fig. 4, and the envelop thus folded passed through pressure-rolls, which causes the side flaps of the lining and outer envelop to adhere to opposite flaps of these two parts, respectively, and at the same time the extensions 23 and 24 are folded over their corresponding longitudinal flaps, which interlocks the lining with the outer envelop. When desired, adhesive material may be applied between the waxed-paper blank and the envelop-blank; but this ordinarily will not be necessary, as the interfolding of the extensions 23 and 24 will secure the lining within the outer envelop.

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

1. A flat paper bag formed from an outer
5 blank of suitable paper material, and a lining-
blank of waxed paper, each blank compris-
ing a broad side and a narrow side, with a
middle line of fold, the broad side of each
blank being folded at the side edges to form
10 securing-flaps, and the narrow side of the
outer blank being wider than the correspond-
ing side of the lining, with the broad side of
the lining wider than the corresponding side
of the outer envelop, whereby the lining-
15 blank may be superimposed on the outer
envelop, with fold-lines coinciding, and the
two blanks may be folded and glued to form
a complete lined bag or envelop at one opera-
tion.

20 2. A flat paper bag formed from an outer

blank of suitable paper material, and a lining-
blank of waxed paper, each blank compris-
ing a broad side and a narrow side, with a
middle line of fold, the broad side of each
blank being folded at the side edges to 25
form securing-flaps, and the narrow side of
the outer blank being wider than the corre-
sponding side of the lining, with the broad
side of the lining wider than the correspond-
ing side of the outer envelop, and extensions 30
therefrom beyond the middle line of fold,
whereby the lining-blank may be superim-
posed on the outer envelop, with fold-lines
coinciding, and the two blanks may be
folded and glued to form a complete lined 35
bag or envelop at one operation.

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Witnesses:

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