

No. 810,349.

PATENTED JAN. 16, 1906.

J. ROGERS.
VALVE BAG.

APPLICATION FILED FEB. 29, 1904.

Fig. 1.

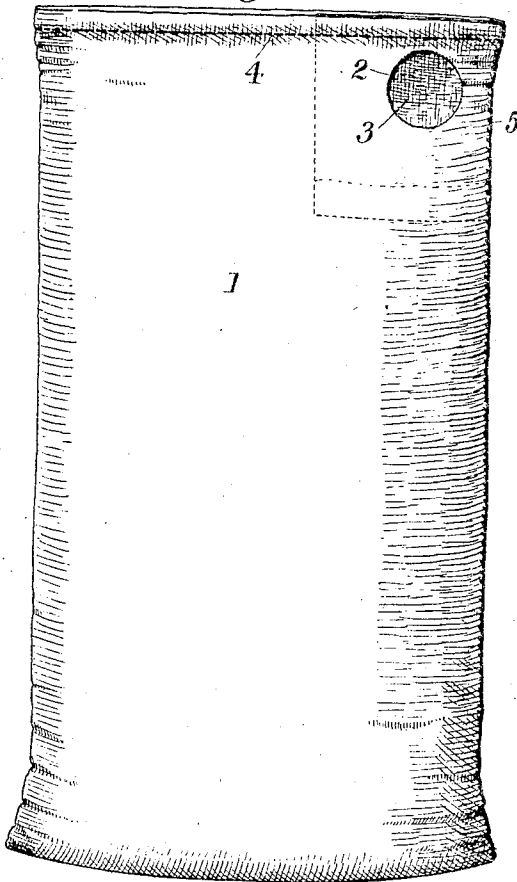


Fig. 2.

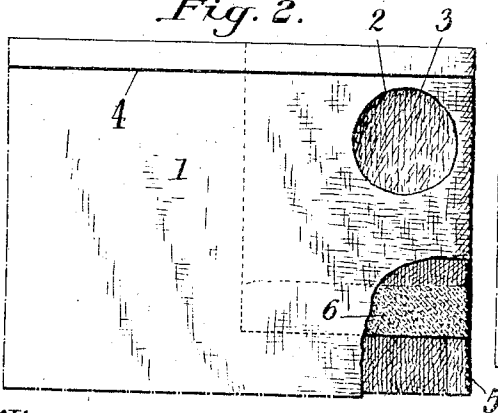


Fig. 3. 2 SHEETS—SHEET 1, 2 3

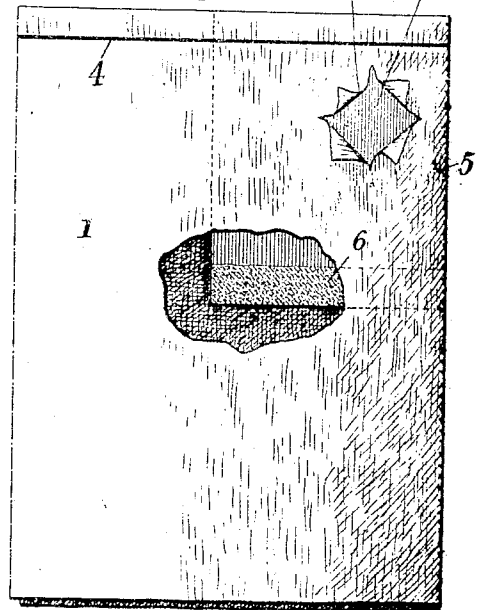
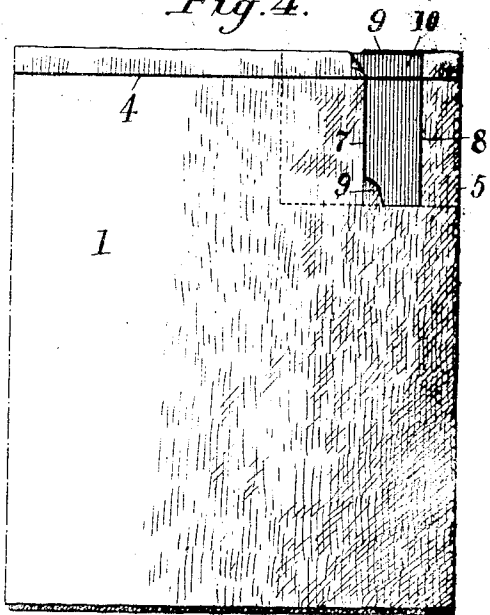


Fig. 4.



Witnesses:

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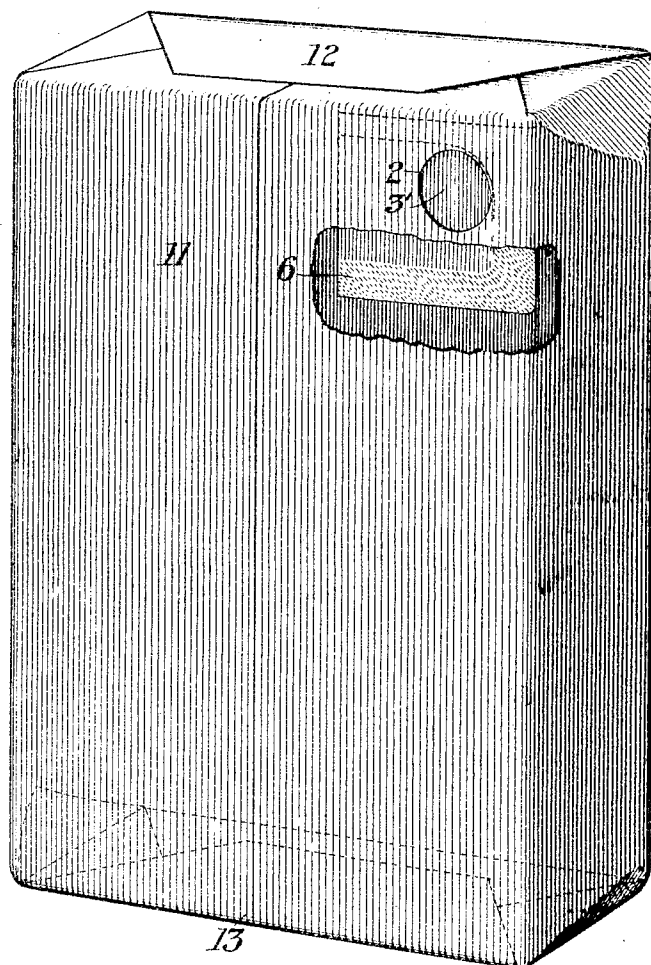
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2 SHEETS—SHEET 2.

Fig. 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN ROGERS, OF CLEVELAND, OHIO, ASSIGNOR TO BATES VALVE BAG COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF WEST VIRGINIA.

VALVE-BAG.

No. 810,349.

Specification of Letters Patent.

Patented Jan. 16, 1906.

Application filed February 29, 1904. Serial No. 195,817.

To all whom it may concern:

Be it known that I, JOHN ROGERS, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Valve-Bags, of which the following is a specification.

This invention relates to bags which are filled through a valve-controlled opening by means of a tube or funnel.

The improved bag employs a valve, preferably a separate rectangular piece of cloth or heavy paper, marginally secured to the body of the bag beneath the filling-opening. In the preferred construction the filling-opening is near the corner of the bag and a rectangular valve is secured to the bag along three edges, leaving a lateral passage for the insertion of the filling-tube between the valve and the bag-body.

Referring to the accompanying drawings, Figure 1 is a side elevation of a cloth valve-bag. Fig. 2 is a detail view of the valve shown in Fig. 1. Figs. 3 and 4 are detail views of modified valves, and Fig. 5 is a perspective view of a paper valve-bag.

Referring to Figs. 1 and 2, the cloth bag 1 has a circular opening 2 near its corner. The valve 3 is a separate rectangular piece of cloth placed beneath the opening and marginally secured to the bag along three of its edges. The upper edge of the valve is attached to the bag by the line of stitches 4, which closes the upper end of the bag. The right-hand edge of the valve is attached to the bag by the line of stitches 5 in the adjacent side seam. The lower edge of the valve is preferably secured to that portion of the body which overlies it by paste 6. A lateral passage is thus provided between the left-hand edge of the valve and the bag-body for insertion of the filling-tube.

The cloth bag 1 shown in Fig. 3 has a rectangular punctured opening 2', beneath which is a rectangular valve 3', of heavy paper, secured to the bag at its upper and right-hand edges by the lines of stitches 4 and 5 and at its lower edge by paste 6.

The cloth bag 1 shown in Fig. 4 is slitted downwardly at one side near the corner along two parallel vertical lines 7 8, leaving an intermediate tongue 9. A rectangular valve 10, of heavy paper, is then inserted in the slits 7 8 above the cloth tongue 9 and be-

neath the adjacent portions of the bag-body. The valve is held in place by the lines of stitches 4 5 at the top and side, leaving a lateral passage at the left for insertion of the filling-tube.

The paper bag 11 (shown in Fig. 5) is folded and permanently closed at its upper and lower ends 12 13 and has a circular opening 2 near one corner, beneath which is secured a rectangular valve 3' of heavy paper. This valve is attached to the bag-body along its upper right hand and lower edges by paste 6, leaving a passage for the filling-tube. This valve-bag differs from the prior constructions in that the valve is a separate piece secured to the bag. The use of a separate valve-piece instead of an inwardly-extending tubular neck, which is an integral extension of the body, effects a considerable saving in material. The provision of a definite opening in the body of the bag and a valve which underlies this opening and is marginally secured to the body, except at one side of the opening, affords a simple and effective valve construction. The filling-tube can be easily and quickly inserted through the lateral passage between the valve and the body, and the material positively and securely closes the valve when the bag is filled and reversed.

I claim—

1. A valve-bag, comprising a bag having an opening in the material of its body, and a valve beneath the opening and marginally secured to the body, as set forth.

2. A valve-bag, comprising a bag having an opening in the material of its body, and a valve beneath the opening and marginally secured to the body at different sides of the opening, as set forth.

3. A valve-bag, comprising a bag having an opening in its body, and a valve beneath the opening and marginally secured to the body except at one side of the opening, as set forth.

4. A valve-bag, comprising a bag having an opening in the material of its body, and a valve consisting of a separate piece beneath the opening and marginally secured to the body, as set forth.

5. A valve-bag, comprising a bag having an opening in the material of its body, and a valve consisting of a separate piece beneath the opening and marginally secured to the

body at different sides of the opening, as set forth.

6. A valve-bag, comprising a bag having an opening in its body, and a valve consisting
5 of a separate piece beneath the opening and marginally secured to the body except at one side of the opening, as set forth.

7. A valve-bag, comprising a bag having an opening in the material of its body, and a
10 rectangular valve beneath the opening and marginally secured to the body, as set forth.

8. A valve-bag, comprising a bag having an opening in the material of its body, and a rectangular valve beneath the opening and
15 marginally secured to the body at different sides of the opening, as set forth.

9. A valve bag, comprising a bag having an opening in its body, and a rectangular valve beneath the opening and marginally

secured to the body except at one side of the
opening, as set forth. 20

10. A valve-bag, comprising a bag having an opening in its body, and a rectangular valve beneath the opening, said valve sewed
to the body along its upper and one side edge 25
and pasted to the body along its lower edge, as set forth.

11. A valve-bag having a valve-controlled opening in the material of its body, both
ends of said bag being folded and perma- 30
nently closed, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN ROGERS.

Witnesses:

FRANK STONE,

A. H. GARDNER.