May 24, 1932. H. J. LE VESCONTE 1,860,339

BAG AND CLOSURE THEREFOR

Filed June 30, 1928

FIG. 1.
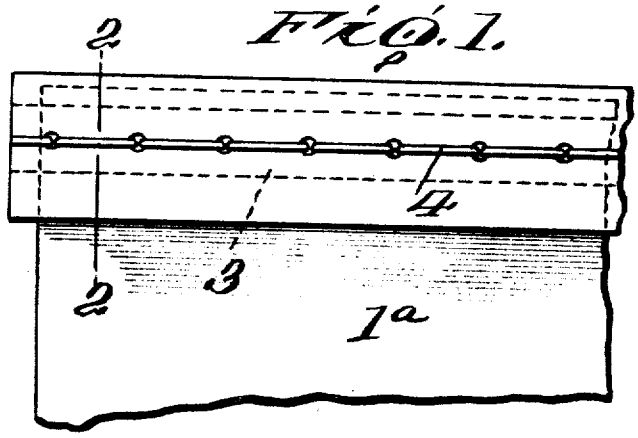


FIG. 3.

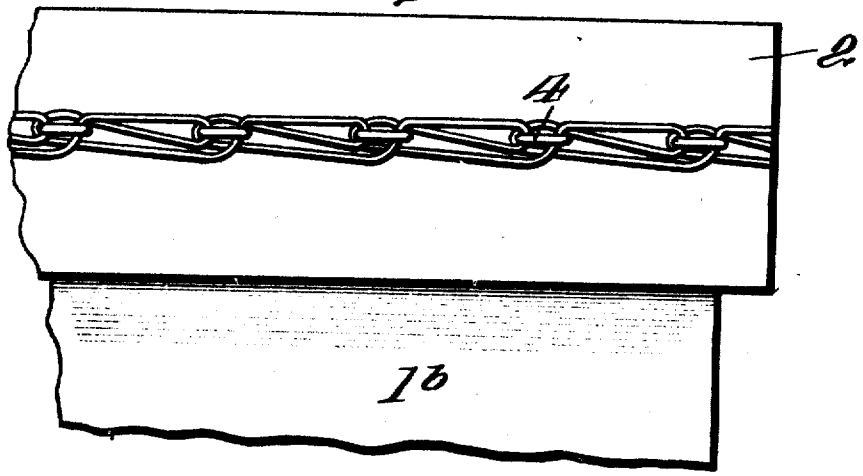
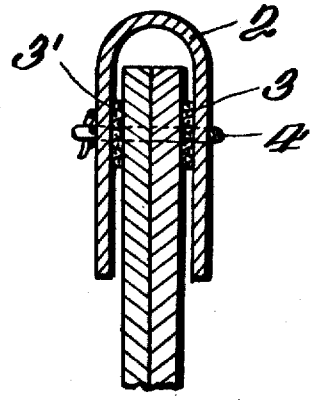


FIG. 2.



Inventor

Harold J. LeVesconte

By

Sturtevant & Mason

Attorneys

Patented May 24, 1932

1,860,339

UNITED STATES PATENT OFFICE

HAROLD J. LE VESCONTE, OF CHICAGO, ILLINOIS, ASSIGNOR TO UNION SPECIAL MACHINE COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS

BAG AND CLOSURE THEREFOR

Application filed June 30, 1928. Serial No. 289,502.

The invention relates to new and useful improvements in bags and more particularly to the closure for the bag.

An object of the invention is to provide a bag which is closed by stitches passing through a strip folded about the edges of the side walls of the bag at the mouth thereof with means located between the strip and the side walls of the bag for preventing material from escaping from the bag through the needle punctures in the side walls of the bag.

A further object of the invention is to provide a bag enclosure of the above type wherein the means which closes the needle punctures is of a character to permit air to filter therethrough.

A further object of the invention is to provide a bag enclosure of the above type wherein the means which closes the needle punctures is in the form of fabric strips which also reinforce the walls of the bag and aid in the firm anchoring of the stitches.

These and other objects will in part be obvious and will in part be hereinafter more fully disclosed.

In the drawings which show by way of illustration one embodiment of the invention:—

Fig. 1 is a side view of a bag embodying the improvements.

Fig. 2 is a sectional view on the line 2—2 of Fig. 1.

Fig. 3 is a view of the opposite side of the bag from that shown in Fig. 1.

The invention is directed to a bag and closure therefor which is particularly useful where the bags are made of paper or like material. Prior to the invention it has been customary to enclose the edges of the bag at the mouth thereof with a strip which is placed along the outer face of one wall of the bag, folded over the edges of the walls and against the other wall of the bag, and then the bag is closed by a line of stitches passing through the strip and the walls of the bag. In a closure of this type the needle makes a puncture through the side walls of the bag which remains more or less open, particularly if the bag is made of paper or the like. The present invention is directed to a means for closing these openings to a certain extent at least so that there will be no escape of the material within the bag through said perforations. It is desirable that this means which is applied for closing the perforations shall be concealed from view and placed so as to aid in the construction of the closure. To this end fabric strips are placed against the side walls of the bag mouth, and the closing strip folded about the edges of the mouth of the bag is folded over these fabric strips. The line of stitches passes through the closing strip and each fabric strip as well as the walls of the mouth of the bag. These fabric strips are preferably formed of comparatively closely woven fabric, or fabric of soft texture so that the fabric of the strip will contract at the needle punctures and close in against the needle thread. This substantially closes the needle openings and at the same time the closure is made by a fabric through which air may filter, but the material cannot escape.

Referring more in detail to the drawings, the invention is shown as residing in a bag 1 having side walls 1*a*, 1*b*. Folded about the edge portions of the side walls 1*a*, 1*b* is a fabric strip 2. A fabric strip 3 is placed along the outer face of the side wall 1*a* and a similar fabric strip 3′ is placed along the outer face of the side wall 1*b*. These fabric strips 3 and 3′ are made of closely woven fabric of soft texture. The strips are so placed that the line of closing stitches which is indicated at 4 passes through the closing strip and these fabric strips 3 and 3′. The closing stitches preferably include a needle thread which is formed into loops by a needle which punctures the closing strip and the side walls of the bag and also the strips 3 and 3′. The needle thread loops are secured by loops formed in the looper thread. Other types of stitches may be used in the closing of the bagmouth. The essential feature of the present closure is the fabric strips 3 and 3′ located inside of the closing or binding strip 2, so as to be concealed thereby and so as to be held firmly clamped against the side walls of the bag by the stitches. The fabric of these strips

will contract when the needle is withdrawn about the needle thread and thus effectively close the needle punctures so as to prevent the escape of material therefrom. Air in the bag may, at the same time, filter through the strip. The strip also serves as a means for reinforcing the closure as the stitches pass therethrough and aids in the firm anchoring of the stitches and prevents the same from pulling through the closing strip 2 and the side walls of the bag. By the arrangement of the strips there has been provided a very firm closure for the bag and one which effectively closes the bag so as to prevent the escape of any fine material in the bag. It will be understood, of course, that the bag may be made of other material than paper and that the strips would be of advantage.

It is obvious that minor changes in the shaping and the arrangement of the parts may be made without departing from the spirit of the invention as set forth in the appended claim.

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

A bag having side walls, a closing strip folded about the edge portions of the side walls at the mouth of the bag, a strip of fabric of soft texture disposed between the closing strip and the side wall of the bag at each side thereof, a line of stitches passing through the closing strip, the strips of fabric of soft texture and the side walls of the bag for closing the bag and holding the closing strip firmly in contact with the strips of fabric of soft texture, whereby said fabric strips of soft texture will contract at the needle punctures and close in against the needle thread for substantially closing the needle punctures and preventing the escape of the material from the bag therethrough.

In testimony whereof, I affix my signature.

HAROLD J. LE VESCONTE.