

June 11, 1929.

A. C. WHITE

1,716,403

BAG

Filed Jan. 23, 1926

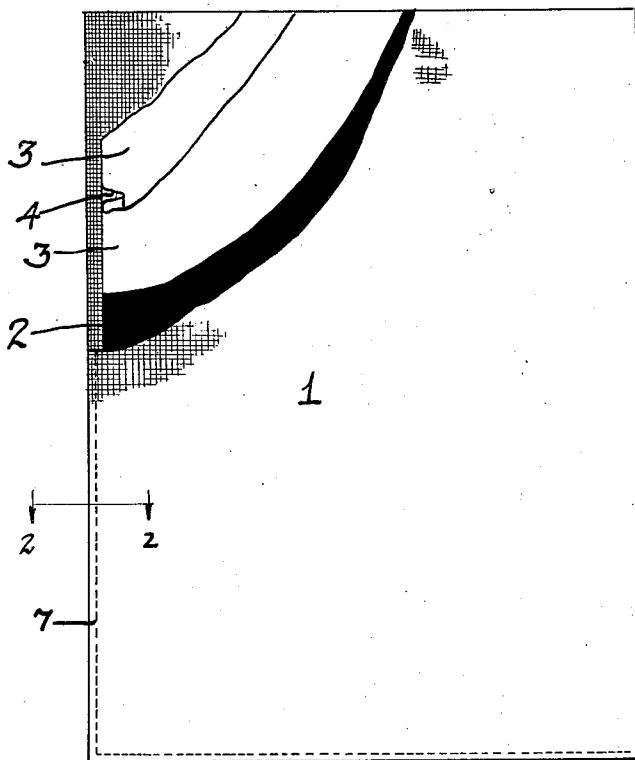


Fig. 1

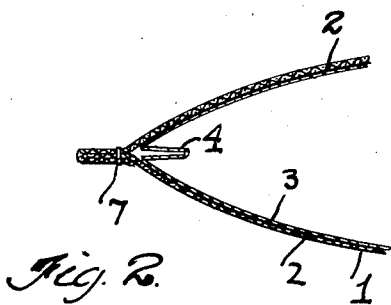


Fig. 2.

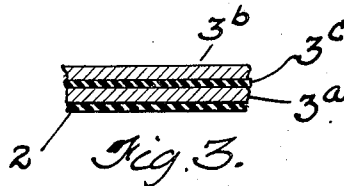


Fig. 3.

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Patented June 11, 1929.

1,716,403

UNITED STATES PATENT OFFICE.

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BAG.

Application filed January 23, 1926. Serial No. 83,412.

In packing materials in bags, it has been customary, where some waterproof protection was desired, to provide a bag of composite structure including a waterproof layer, the seams being sewed through all the layers. It is found that such seams yield and allow of opening up of the needle holes and consequently an ingress of moisture. It is an object of the present invention to provide a construction which affords a waterproof or moisture proof container such as a bag, which is at the same time secure against the destruction of the moisture-proof qualities where seams occur. To the accomplishment of the foregoing and related ends, the invention, then, consists of the means hereinafter described, and particularly pointed out in the claims, the annexed drawings and the following description setting forth but one of various ways in which the principle of the invention may be utilized.

In said annexed drawing:

Fig. 1 is a side view, broken away in part, of a bag embodying the present invention; Fig. 2 is a sectional detail taken on the line II—II, Fig. 1; and Fig. 3 is a further sectional detail of a composite lining.

As shown in the drawing, the construction contemplates a bag having a seam of any ordinary or desired form, and a protection for the seam, the protection being such as to cut off access through the needle holes from at least one side, the inner side being that illustrated, and embodying in general a waterproofed element guarding the seam.

In its preferred form, the bag comprises an outside textile layer 1 and a lining 3 made up with and adherent to the textile. The textile which may be burlap or scrim or other desired fabric, is seamed along its edge as at 7 but the lining lies wholly within such seam and opposite the seam is formed with a redundancy, preferably a bellows-like fold 4 directed inwardly away from the seam so as to be free along such zone. Waterproof material 2 cements the textile to the lining, and while the lining may be made up of a single layer of paper, I preferably employ a plurality of layers such as shown more in detail in Fig. 3, the paper layers 3^a, 3^b being cemented together by waterproofing material 3^c. Various grades of paper may be employed but ordinarily the creped or crinkled paper preferably from sulphate pulp is most advanta-

geous, and for waterproofing material, I prefer petroleum pitch, although in some instances I also contemplate using natural asphalt, boiled linseed oil, tong oil or casein.

Other modes of applying the principle of my invention may be employed instead of the one here explained, change being made in the form or construction, provided the elements stated by any of the following claims or the equivalent of such stated elements be employed.

I therefore particularly point out and distinctly claim as my invention:

1. A bag comprising an outside layer of textile material having a seam and a waterproof lining inside of and nonadherently bridging over the seam in greater expanse than the surface expanse of the seam area bridged over and being elsewhere adherent to the textile.

2. A bag comprising an outside layer of textile material having a seam and a lining of paper inside of and non-adherently bridging over the seam with a fold of greater expanse than the surface expanse of the seam area bridged over and being elsewhere adherent to the textile by waterproof material.

3. A bag comprising an outside layer of textile material, having a seam along its edge and a lining of paper lying wholly inside of the seam and having a free bellows like fold opposite the seam but directed inwardly therefrom, the lining being elsewhere adherent to the textile by waterproof material.

4. A bag comprising an outside layer of textile material having a seam along its edge and a lining of a plurality of layers of paper, said paper layers having pitch therebetween, and said lining lying wholly inside of the seam and having a bellows like fold opposite the seam directed inwardly therefrom, the lining being elsewhere adherent to the textile by pitch.

5. A bag comprising an outside layer of burlap having a seam along its edge and a lining of two layers of crepe paper, said paper layers having pitch therebetween, and said lining lying wholly inside of the seam and having a bellows like fold opposite the seam directed inwardly therefrom, the lining being elsewhere adherent to the burlap by pitch.

Signed by me this 21st day of January, 1926.

ARTHUR C. WHITE.