

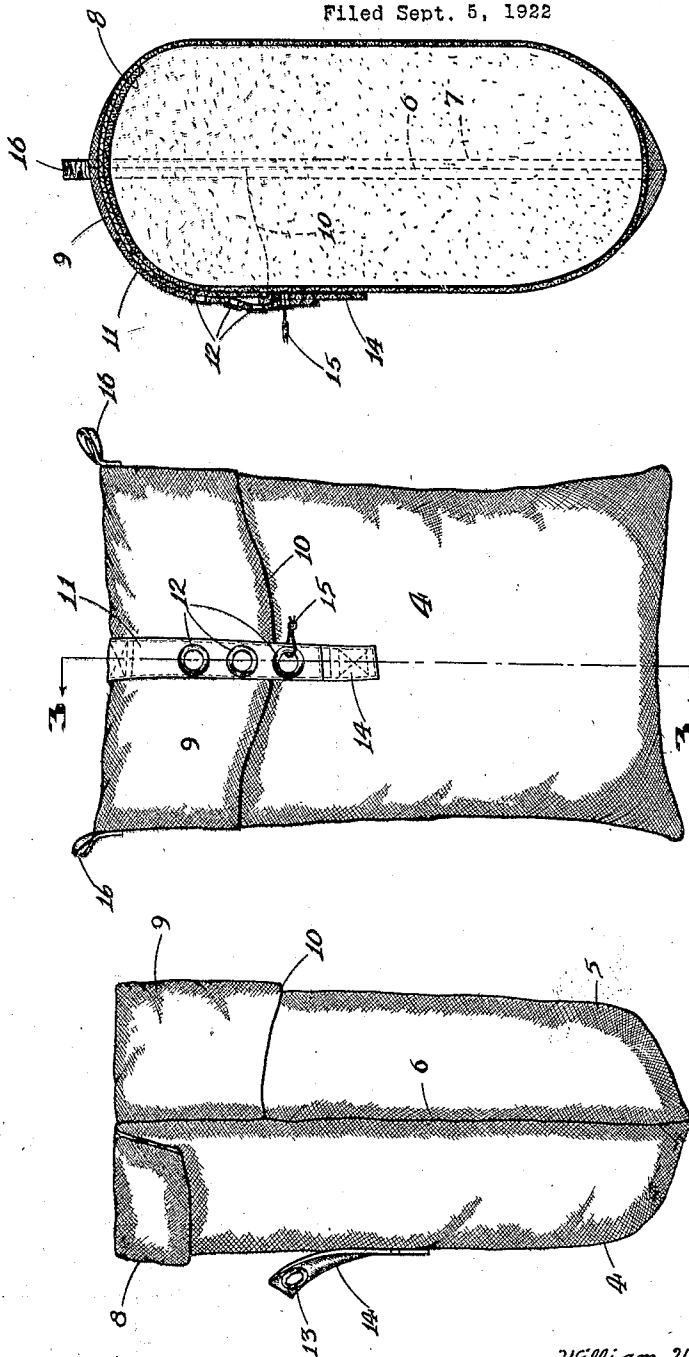
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W. W. HUNT ET AL

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BAG STRUCTURE

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# UNITED STATES PATENT OFFICE.

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## BAG STRUCTURE.

Application filed September 5, 1922. Serial No. 586,300.

*To all whom it may concern:*

Be it known that we, WILLIAM W. HUNT and JOHN SELINE, citizens of the Dominion of Canada, and each a resident of Edmonton, in the county of Edmonton and Province of Alberta, Dominion of Canada, have invented certain new and useful Improvements in Bag Structures, of which the following is a specification.

This invention has relation to certain new and useful improvements in a bag structure and has for its primary object the provision of an improved form of bag which will be strong and durable and which will be provided with novel closure flaps and locking means for the same and also corner ears by which the bag may be handled without danger of pulling open the closure members.

The invention has for a further object the provision of a bag for grain or the like constructed in such a manner that the bag may be filled by the usual methods and then closed and locked securely for storage and transportation with the closure flaps sealed in closed position.

With the foregoing and other objects in view as will appear as the description proceeds, the invention consists in the novel construction, combination and arrangement of co-operating elements as hereinafter more specifically set forth, claimed and shown in the accompanying drawings forming a part of the present application and in which:

Fig. 1 is a side elevation of the bag in open position for filling.

Fig. 2 is a front elevation of the bag showing the same with the closure flaps closed and sealed after filling of the bag.

Fig. 3 is a vertical transverse section substantially on the plane of line 3—3 of Fig. 2, looking in the direction indicated by the arrows.

Referring more in detail to the drawings in which similar reference characters designate corresponding parts throughout the several views, 4 indicates the front member and 5 the rear member of the bag, which are formed of one piece of material, thereby providing a bag without any seam across the bottom thereof. The front member 4 and rear member 5 are connected along their vertical edge by the side seams 6, the edges 7 being turned back in opposite directions on the interior of the bag after connection, as shown by dotted lines in Fig. 3. A free front closure flap 8 is extended from the

upper edge of the front member 4 and is folded out, as shown in Fig. 1, during filling of the bag. After the bag is filled this free front closure flap 8 is folded in over the contents of the bag, as shown in Fig. 3.

A rear closure flap 9 is formed as an extension of the rear member 5 of the bag and the rear closure flap 9 is turned down over the outer face of the rear member 5 and secured by its vertical edges in the side seams 6, as shown clearly in Fig. 3. The free edge 10 of the rear closure flap 9 is reversely curved so that the central portion depends further than the side portions thereof. When the bag is filled and the free front closure flap 8 folded inwardly to its closed position, the rear closure flap 9 is then drawn forwardly over the top of the bag to its closed position, as shown in Figs. 2 and 3.

The closure locking strap 11 is carried on the outer face of the rear closure flap 9 and extended past the free edge 10 thereof. This closure locking strap 11 carries a plurality of spaced eyelets 12, any one of which may be brought into registration with the eyelet 13 carried by the short closure locking strap 14 mounted on the front member 4 of the bag, the eyelet 13 being carried in the free upper end of the short closure locking strap 14. After the closure locking straps 11 and 14 have been overlapped as stated, a suitable locking or sealing device 15 may be secured in the registering eyelets 12 and 13 of the closure locking straps 11 and 14 respectively, so as to prevent unauthorized parties from attaining access to the contents of the bag without destruction of the locking or sealing device 15 or a portion of the bag.

In order that the bag may be readily handled without danger of pulling open or tearing the closure flaps 8 and 9, the bag is provided with corner ears or straps 16 at its upper corners and securely fastened to the sides of the bag at the upper ends of the side seams 6. This may be readily understood by referring to Figs. 2 and 3. It is evident that when handling this bag a good grip may be obtained on the corner ears or straps 16 to facilitate lifting and transportation of the bag with the minimum liability of danger to the bag and its contents.

It is believed the complete construction and utility of the bag may now be readily

apparent to parties familiar with such devices, from the foregoing paragraphs taken in connection with the accompanying drawings without further detailed description.

5 It may be briefly stated, however, that the closure flaps 8 and 9 may be readily folded to their closed or opened positions as desired. Furthermore, the closure locking  
10 straps 11 and 14 may also be readily overlapped and locked together or released, as desired. When filled and closed, the bag is smooth on its interior and the only projecting members are the rear closure flap 9, the  
15 closure locking straps 11 and 14, the sealing or locking device 15 and the corner ears or straps 16. These members only serve, however, to protect the contents of the bag and strengthen the latter and do not project sufficiently to interfere with proper handling,  
20 transportation or storage of the bag. It is believed that further description is unnecessary.

While the preferred embodiment of the invention has been disclosed, it is to be understood that minor changes in the details  
25 of construction, combination and arrangement of co-operating elements may be resorted to within the scope of what is claimed without departing from the spirit of the invention.  
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What we claim as new is:

1. A bag comprising a front member and a rear member formed of a single section of material and connected along their side  
35 edges; said front member carrying an extension folder flap adapted to be folded in-

wardly over the contents of the bag; said rear member carrying a rear extension flap secured thereto along its side edges and adapted to be drawn over the top of the bag  
40 and over the first mentioned closure flap when the bag is filled; means for locking said closure flaps in closed position; said flaps being of unequal width, and one member of the fastening means being carried by  
45 the larger flap and corner lifting straps carried by said bag.

2. A bag formed of a single section of material and including a front member and a rear member; a comparatively small closure flap extension carried by said front  
50 member; a comparatively large closure flap carried as an extension of the rear member and secured along its parallel edges between the front and rear members of the  
55 bag; said first mentioned closure flap being adapted to be folded inwardly over the filled bag; said second mentioned closure flap being adapted to be drawn over the top of the filled bag and over the first mentioned closure  
60 flap; closure locking straps carried by the second mentioned closure strap and the front member of the bag; said closure locking straps having eyelets adapted to be brought into registration for the purpose  
65 of securing together said closure locking straps; and lifting straps carried by said bag.

In testimony whereof, we affix our signatures.

WILLIAM W. HUNT.  
JOHN SELINE.