Dec. 16, 1924. 1,519,941

G. S. SOBECK, JR

COMBINATION GRAIN CONTAINER AND DOOR

Filed April 17, 1922 4 Sheets-Sheet 1

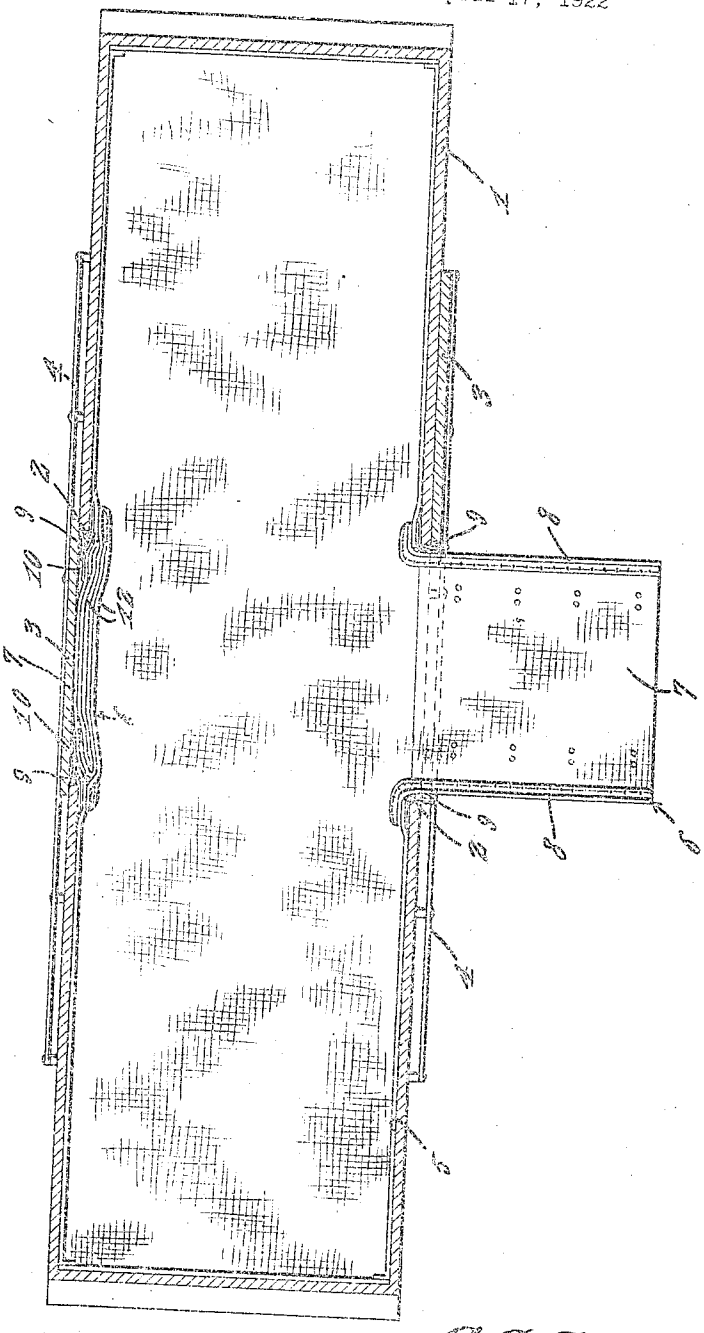


Fig. 1.

G. S. Sobeck Jr., Inventor

By Attorney

Dec. 16, 1924.

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G. S. SOBECK, JR

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4 Sheets-Sheet 2

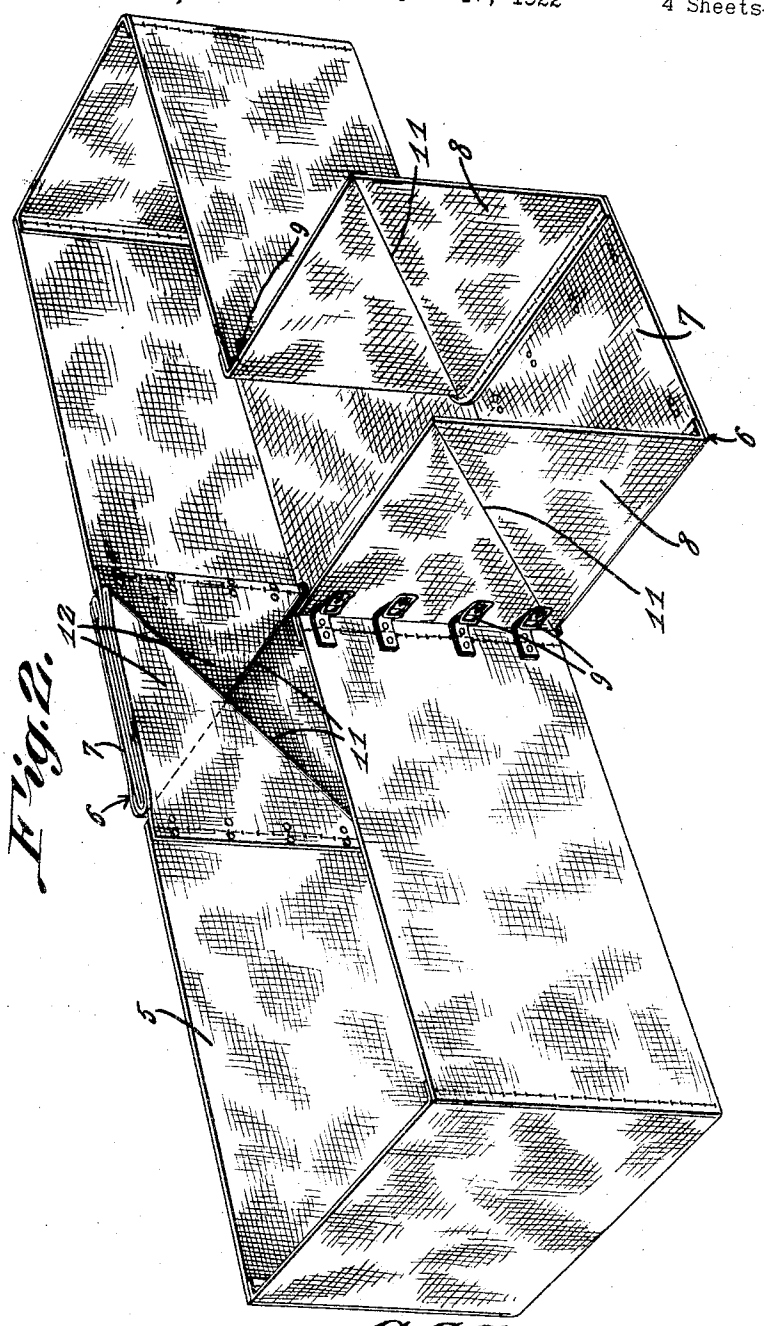


Fig. 2.

G. S. Sobeck Jr., Inventor

By C. A. Snow & Co.

Attorney

Dec. 16, 1924.

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G. S. SOBECK, JR

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4 Sheets-Sheet 3

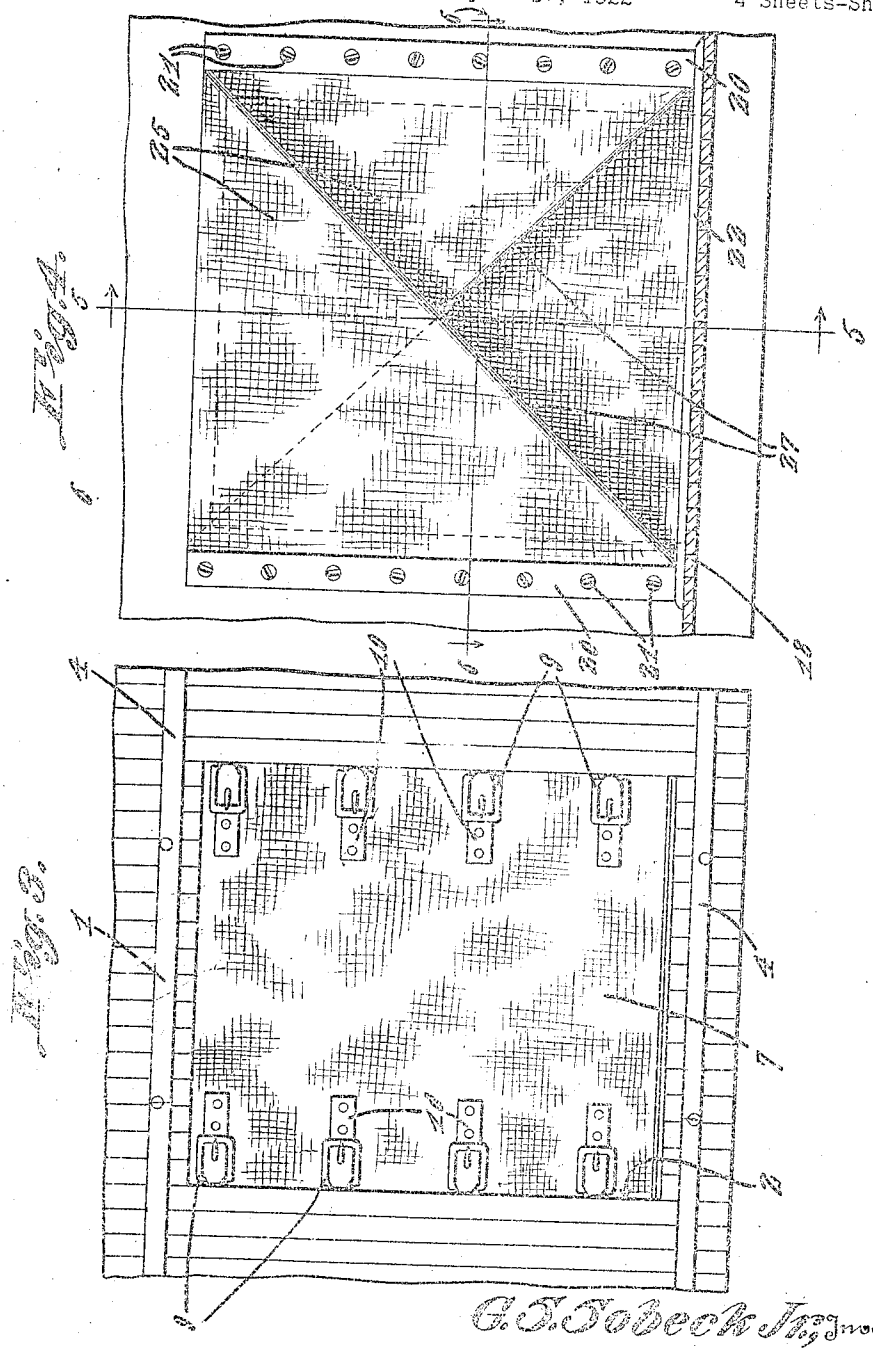


Fig. 2.

Fig. 3.

G. S. Sobeck Jr., Inventor

By Chas. Thos. & Co.

Attorney

Dec. 16, 1924.

1,519,941

G. S. SOBECK, JR.

COMBINATION GRAIN CONTAINER AND DOOR

Filed April 17, 1922

4 Sheets-Sheet 4.

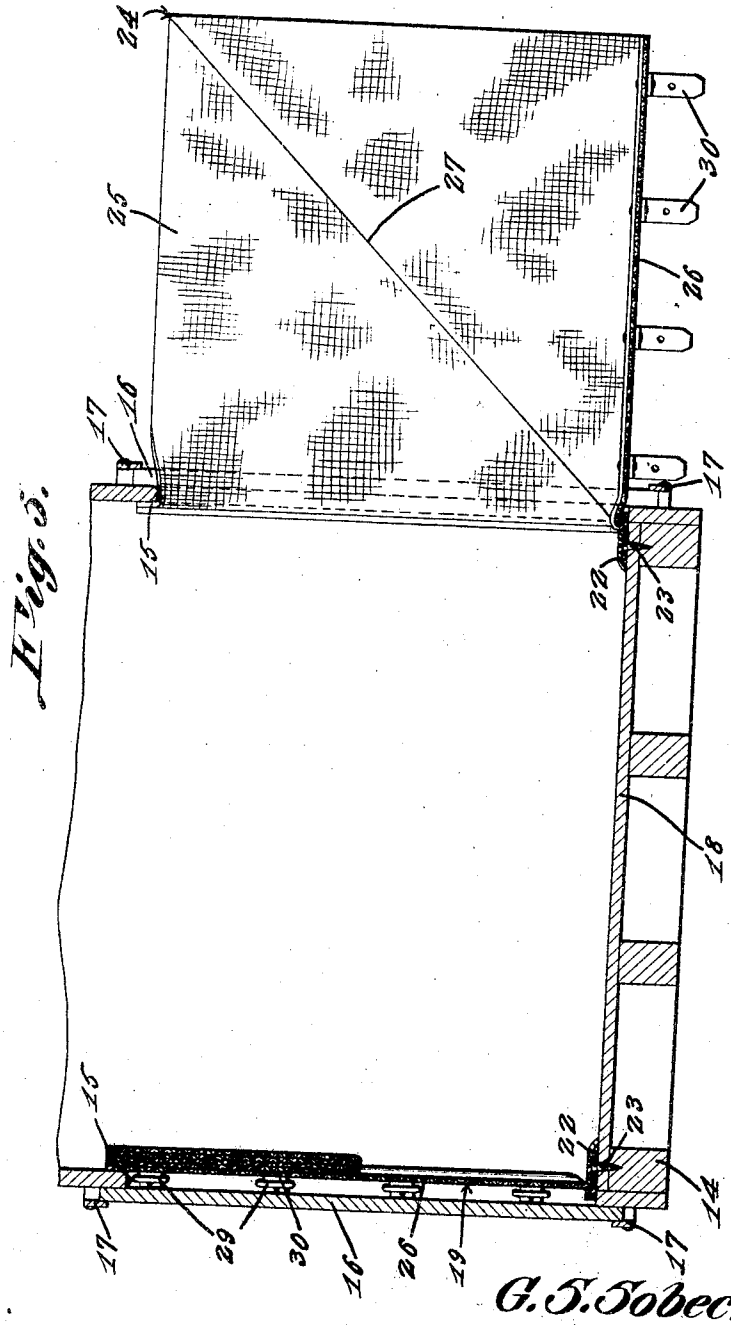


Fig. 5.

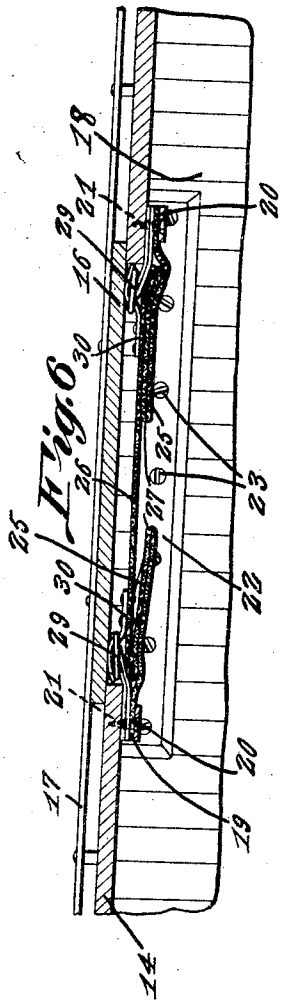


Fig. 6.

G. S. Sobeck Jr., Inventor

By C. A. Snow & Co.

Attorney

Patented Dec. 16, 1924. 1,519,941

UNITED STATES PATENT OFFICE.

GEORGE S. SOBECK, JR., OF LUZERNE, PENNSYLVANIA.

COMBINATION GRAIN CONTAINER AND DOOR.

Application filed April 17, 1922. Serial No. 553,376.

To all whom it may concern:

Be it known that I, GEORGE S. SOBECK, JR., a citizen of the United States, residing at Luzerne, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Combination Grain Container and Door, of which the following is a specification.

This invention aims to provide a simple means whereby an ordinary car may be made tight, to hold grain therein, against leakage. Another object of the invention is to provide a device of the sort described which may be removed from the car at will, and be folded up into small compass, for storage or shipment.

It is within the province of the disclosure to improve generally and to enchance the utility of devices of that type to which the invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that, within the scope of what is claimed, changes in the precise embodiment of the invention shown can be made without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 shows in horizontal section, a car equipped with the device forming the subject matter of this application; Figure 2 is a perspective view showing one form of the invention; Figure 3 is an elevation showing the outside of a car to which the device has been applied, the chute being closed; Figure 4 is an inside elevation showing the chute closed; Figure 5 is a section on the line 5—5 of Figure 4, the chute on one side being opened; Figure 6 is a section on the line 6—6 of Figure 4, Figures 4, 5 and 6 disclosing a modification.

The numeral 1 marks a car provided with doorways 2 controlled by doors 3 which are slidably mounted as shown at 4.

The device forming the subject matter of this application comprises a box-like body 5, made of flexible material, such as canvas, the body 5 being so shaped as to fit closely within the car 1. The body 5 is supplied with foldable chutes 6, made of flexible material, each chute 6 comprising a bottom 7 and side walls 8. Securing elements such as buckles 9, are mounted on the body 5, securing elements 10, preferably in the form of straps, being mounted on the lower surface of the bottom 7 of the chute 6. The chutes 6 may be extended outwardly through the doorways 2, as shown in Figure 1, and as indicated in Figure 2, when it is desired to discharge grain. When it is sought to seal the car, the side walls 8 of the chutes 6 are folded along diagonal lines 11 to form overlapped triangular wings 12, the bottom 7 of the chute extending upwardly on the outside of the wings 12. The straps 10 are connected with the buckles 9, and, thus, the chutes are held folded, as indicated in the upper portion of Figure 2, and as shown in the upper portion of Figure 1. When the doors 3 are slid to closed position with respect to the doorways 2, it will be obvious that the folded chutes bulge outwardly, the grain in the car 1 being held within the body 5 of the device.

In the modification shown in Figures 4, 5 and 6, the car appears at 14, the doorways being shown at 15, the doors being denoted by the numeral 16 and being slidably mounted as shown at 17. The bottom of the car 14 is marked by the numeral 18.

The device for holding the car against leakage of grain includes a flexible body 19, the body, in the present instance, being U-shaped, so as to extend along the lower edge of the doorway 15 and upwardly, along the sides of the doorway. By means of cleats 20 and securing devices 21, the side portions of the body 19 are attached to the upright wall of the car. Through the instrumentality of a cleat 22 and securing devices 23, the bottom portion of the body 19, above defined, is attached to the bottom 18 of the car. The flexible foldable chute 24 is of the form hereinbefore described, and is connected to or formed integrally with the body 19. The side walls of the chute 24 are marked by the reference numeral 25 and the bottom of the chute is shown at 26. The side walls of the chute 24 are folded along diagonal lines 27, as hereinbefore explained, the securing devices on the body being marked by the numeral 29 and the securing devices on the lower surface of the bottom 26 being designated by the reference character 30.

The chutes 4 may be folded as indicated in Figures 4, 5 and 6 or they may be extended through the doorways 15, as shown in Figure 5.

I claim:—

In a device of the class described, a flexible box-like body so shaped as to fit within a car and having an opening adapted to coincide with the doorway of a car, and a flexible chute secured to the body about the opening of the body, the chute comprising a bottom and side walls, the side walls being foldable to form inwardly extended wings, and the bottom being foldable to overlie the wings, the length of the bottom being such that, when the bottom is folded, it will form a complete closure for the opening in the body, and releasably engaged elements on the bottom and the body, coacting to hold the bottom and the wings in folded position.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

GEORGE S. SOBECK, JR.

Witnesses:

SAMUEL M. SILVERMAN,

OSCAR P. ROSS.