

No. 742,478.

PATENTED OCT. 27, 1903.

W. W. McCORMICK.  
HAND OR LIKE CONTAINING BAG.

APPLICATION FILED FEB. 7, 1903.

NO MODEL.

Fig. 1.

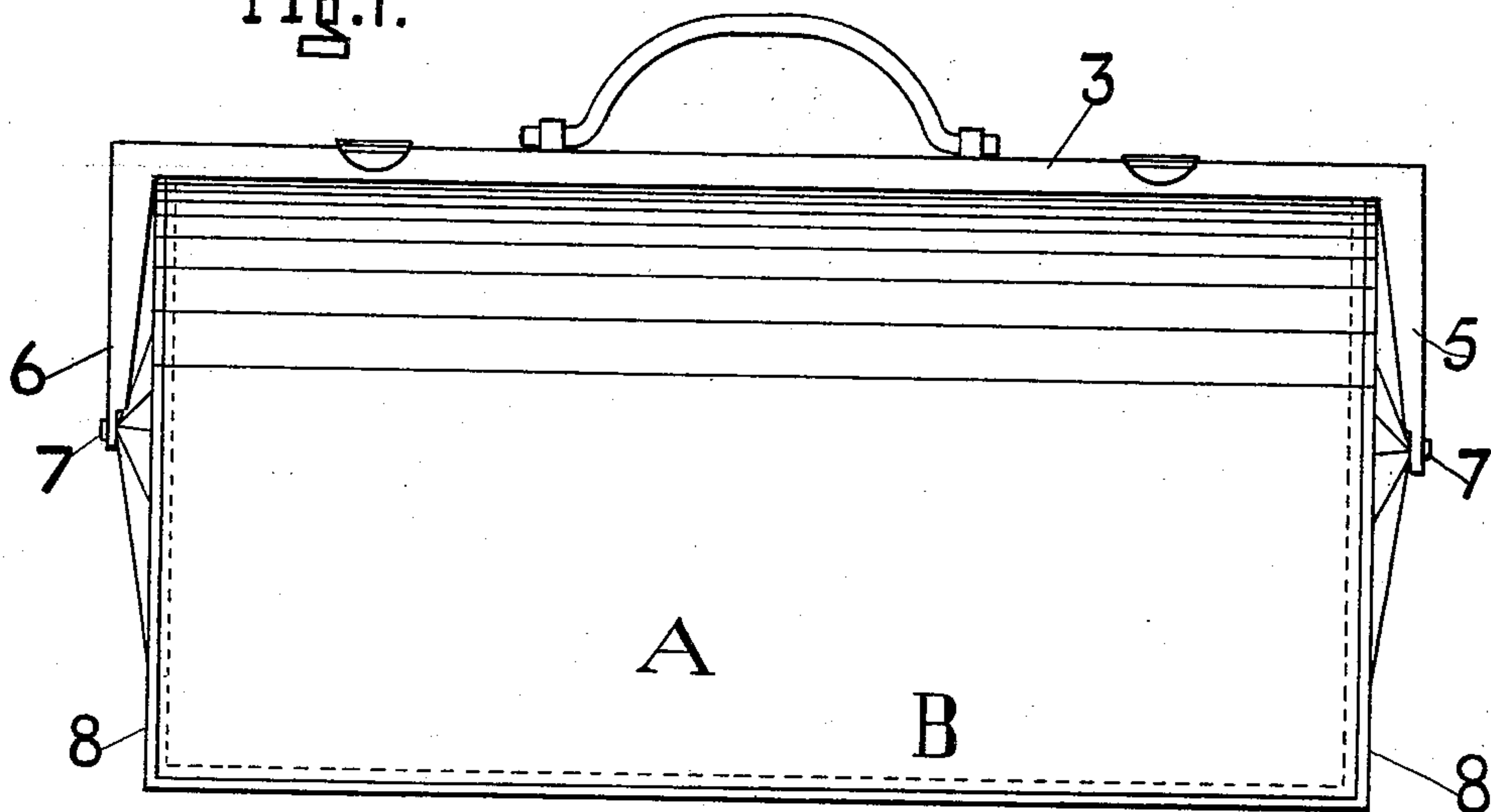


Fig. 2.

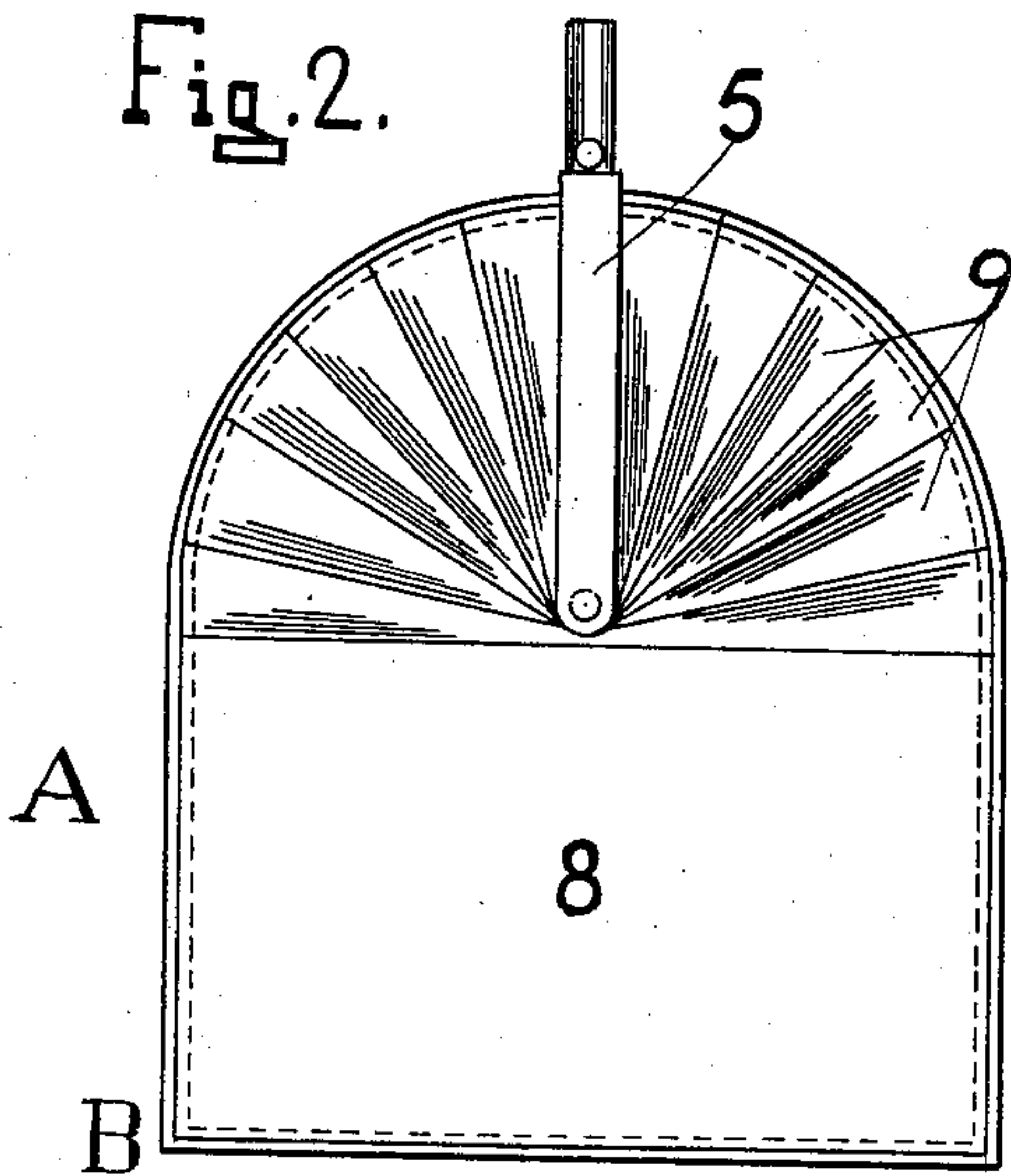
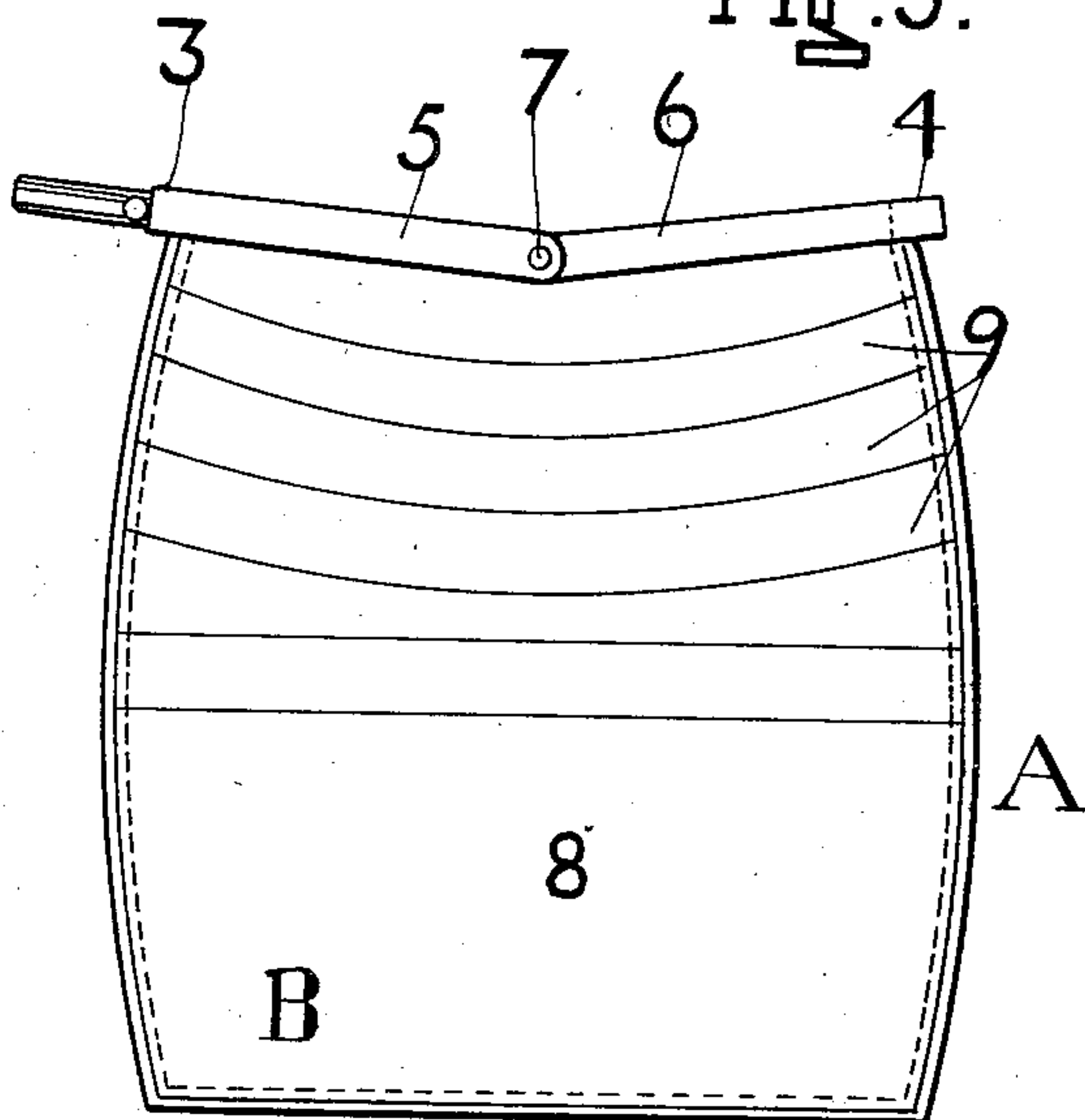


Fig. 3.



WITNESSES:

*John Elder*  
*George H. Strong*

*William W. McCormick* INVENTOR.  
BY *Geo H. Strong* ATTORNEY.



# UNITED STATES PATENT OFFICE.

WILLIAM W. MCCORMICK, OF SAN FRANCISCO, CALIFORNIA.

## HAND OR LIKE CONTAINING BAG.

SPECIFICATION forming part of Letters Patent No. 742,478, dated October 27, 1903.

Application filed February 7, 1903. Serial No. 142,271. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM W. MCCORMICK, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Hand or Like Containing-Bags; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to improvements in hand or like containing-bags; and it consists in a novel construction of the bag, so that when opened the ends are extended and folded in radial fan-shaped plaits from the hinge-joints of the frame.

It also comprises details of construction, which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a side elevation of my invention. Fig. 2 is an end view showing the bag closed. Fig. 3 is an end view showing the bag open.

It is the object of my invention to so construct the bag that the ends are substantially of the same width from top to bottom of the bag and to so connect them with a frame having a radius not greater than the diameter of the bag that the upper ends may be raised when the bag is opened and folded when the bag is closed in an approximately vertical plane and without projecting into or outwardly from the body of the bag.

As shown in the accompanying drawings, my bag consists of the sides A, suitably connected with the bottom B and having the upper portion made in any suitable or desirable shape, such as hexagonal, heart-shaped, or other ornamental form which my construction renders possible. The metal frame consists of two longitudinal parallel strips 3 and 4, to which the upper edges of the bag sides are secured in any suitable manner. These metal strips are bent downward at right angles at the ends, as shown at 5 and 6, and are pivoted together, as at 7. This frame is longer than the sides of the bag, so that it practically stands outside of the ends, and the length of the hinged portions 5 and 6 does not exceed one-half the width of the bag or its bottom, and they may be made less for certain shapes which it is desired to give to the top of the bag, as previously described.

The ends 8 of the bag are made essentially

rectangular and are sewed or otherwise secured to the sides and bottom. Being made of leather, stiff canvas, or other suitable and sufficiently stiff material, the upper part of these ends is connected with the parts 5 and 6, so that the hinge-joint at each end of the frame is located centrally of the end. The material of these end pieces is bent into fluted or fan-shape folds, as shown at 9. These folds extend, essentially, transversely across the ends when the mouth of the bag is opened to its full width and the parts 5 and 6 of the frame are nearly or quite in line, thus exposing the full depth and size of the bag to receive its contents. When the edges 3 and 4 of the frame are brought together, the joint 7 of the parts 5 and 6 is correspondingly depressed, and the flutes or fan-like leaves of the upper part of the bag are then folded, so as to extend radially and divergently from the joint 7 toward the upper portion of the bag; extending practically in fan shape from about the top of the straight lower portion of the sides to the apex or closure of the bag. These fluted or fan-shaped folds are not of excessive width, and being approximately in the plane of movement of the end portions 5 and 6 of the frame they will fold upon each other when the bag is closed without projecting either into or outward from the bag, and when extended they will stand in approximately horizontal lines, as shown in Fig. 3. The ends of the bag not projecting beyond the ends 5 and 6 of the framework, the movements of the fluted or fan-shaped leaves will be essentially in a vertical plane, and the size and shape of the bag will not be essentially changed in the direction of its length by any opening or closing thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A bag or like container consisting of a bottom and sides, a frame consisting of parallel longitudinal strips constituting the top and end strips bent at right angles, said frame having a greater length than the length of the bag sides which are secured thereto, bag ends formed of flexible material fluted in fan-like leaves radiating from the hinge-joint of the frame in a segment toward the upper part of the bag.



2. A bag or like container consisting of a bottom, sides secured thereto and extending upward, a frame consisting of longitudinal bars to which the convergent tops of the sides  
5 are fastened, said bars being bent at right angles at the ends the bent portions not exceeding in length half the width of the bag and pivoted at their lower ends, end sections  
10 formed of essentially rectangular flexible material secured to the sides and bottom, said sections being fluted transversely and capable of folding to form fan-like flutings radially  
divergent from the pivot-points of the frame.

3. A bag or like container consisting of bot-  
15 tom, sides and ends secured together so that the upper edges of the sides converge to a central meeting-line, the ends being essentially rectangular in shape and having the  
20 upper part transversely fluted, a frame consisting of longitudinal top bars to which the

upper edges of the sides are secured, said bars being of greater length than the sides of the bag and bent at right angles exterior to the bag ends, said end portions having a  
25 length not exceeding one-half the width of the bag, pivots by which the ends are turn- ably united whereby the opening of the bag extends the frame ends into an approximately  
straight line and correspondingly raises the  
30 central top portion of the bag ends, and the closing of the bag depresses the pivoted ends and causes the bag ends to fold into fan-like flutings radially divergent from the hinge-  
point of the frame.

In witness whereof I have hereunto set my  
35 hand.

WILLIAM W. McCORMICK.

Witnesses:

S. H. NOURSE,

JESSIE C. BRODIE.