

No. 741,484.

PATENTED OCT. 13, 1903.

J. H. GMELIN.

BAG HOLDER.

APPLICATION FILED SEPT. 23, 1902.

NO MODEL.

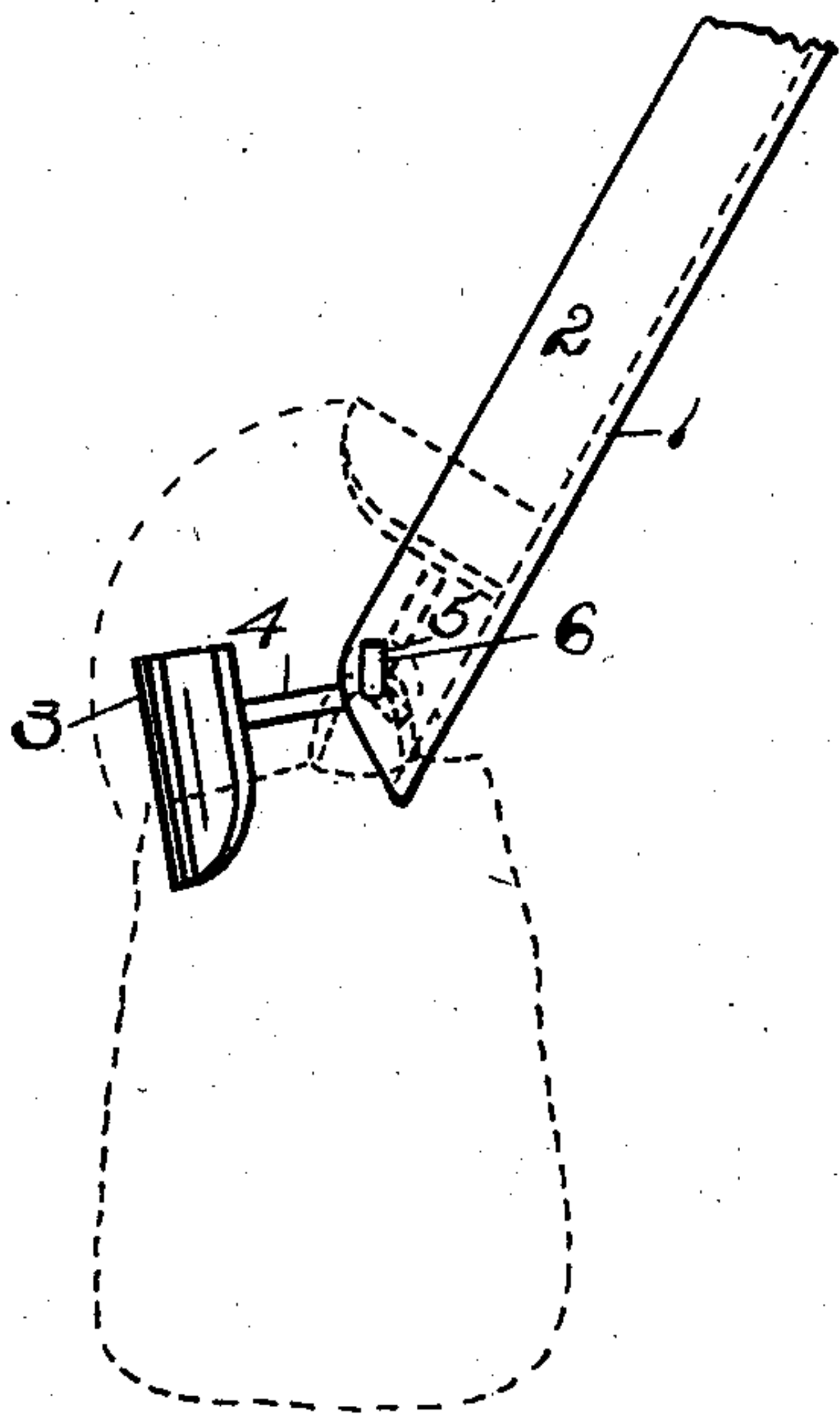


FIG. 1.

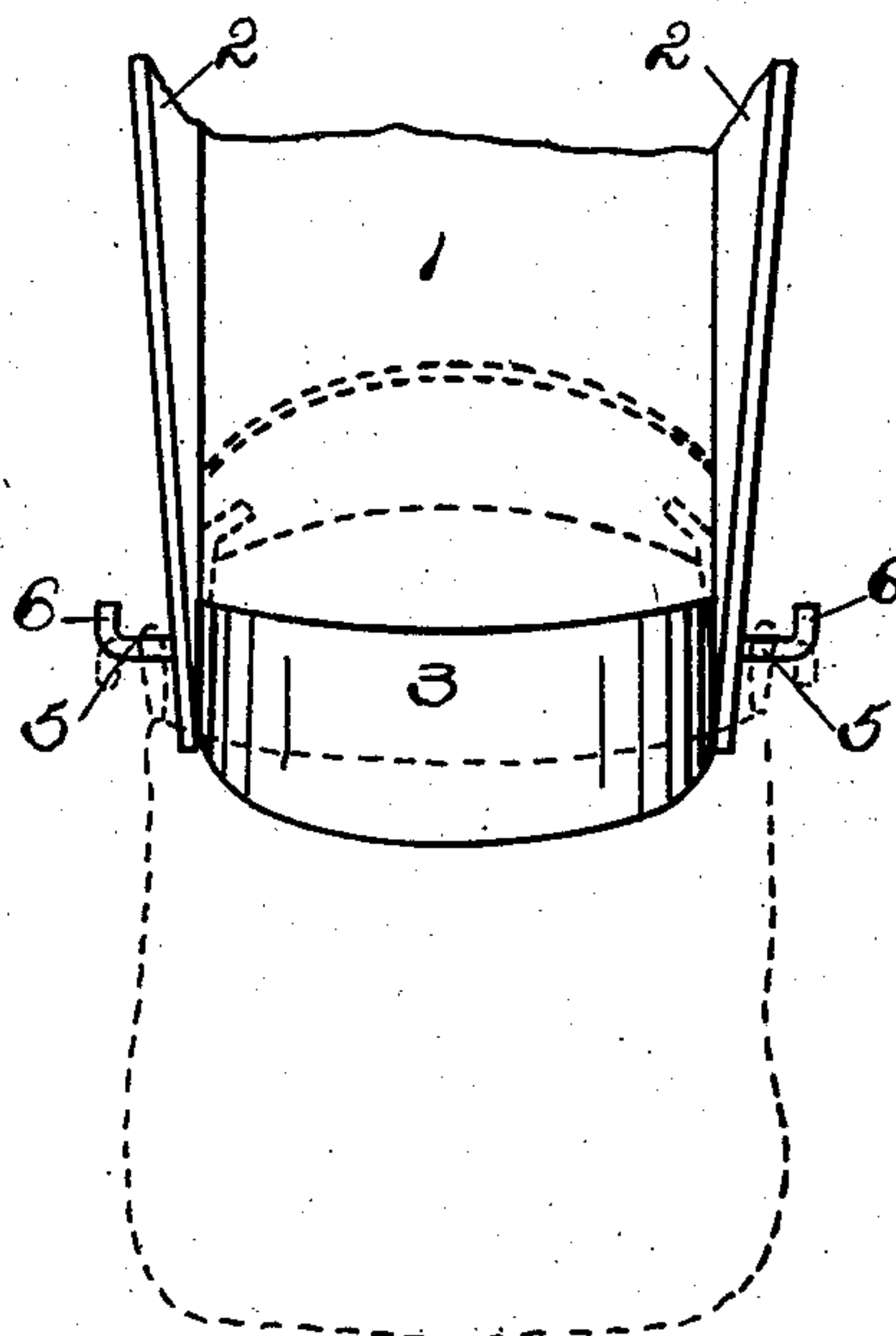


FIG. 2.

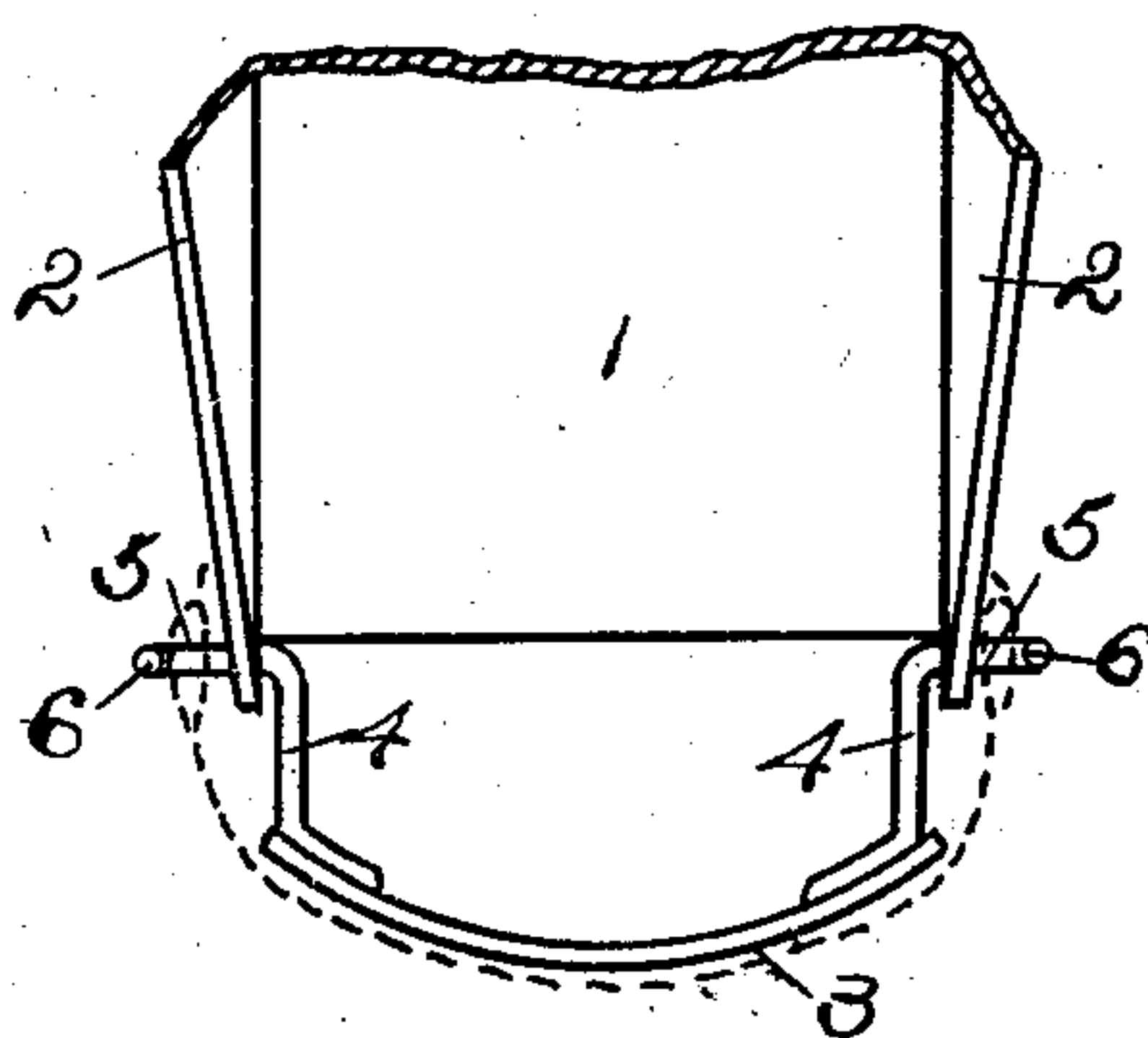


FIG. 3.

WITNESSES:

Frank Martindale.

James C. Hanson.

Jacob H. Gmelin. INVENTOR

BY

Geo. B. Wilcox. ATTORNEY

UNITED STATES PATENT OFFICE.

JACOB H. GMELIN, OF WEST BAY CITY, MICHIGAN.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 741,484, dated October 13, 1903.

Application filed September 23, 1902. Serial No. 124,557. (No model.)

To all whom it may concern:

Be it known that I, JACOB H. GMELIN, a citizen of the United States, residing at West Bay City, in the county of Bay and State of Michigan, have invented certain new and useful Improvements in Bag-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention is a bag-holder, and pertains more particularly to bag-holders for use in connection with the chutes of coal screening and bagging machines, although it is well adapted for use with devices for bagging other materials.

The improvement consists in the arrangements and devices illustrated in the accompanying drawings, forming a part of this specification.

Figure 1 shows a side elevation of the bagger applied to the chute of a coal-bagging machine. Fig. 2 is a front view, and Fig. 3 is a top view.

As is clearly shown in the drawings, the device consists in a chute 1, to the lower end of which is secured a pivoted shield or guard 3, the guard being preferably supported by the sides 2 of the chute 1. This guard serves not only to hold the bag open while it is being filled, as shown in Figs. 1 and 2, but also prevents the coal from being projected over the edge of the bag to the ground and shields the bag from the impact of flying lumps.

The guard 3 is carried by a pair of radial arms 4, pivotally mounted on the sides 2 of the chute 1. The ends of the arms are bent so as to form hooks or ears 6 at the extremities of the extended pivots 5. These ears project upward when the guard 3 is in its lowered position, as shown in Fig. 1. The extended pivots 5 support the handles of the bag and the ears prevent them from becoming dislodged by the jar of the coal, it being more difficult to remove the bag as the weight of the coal in it increases.

When the bag is filled and the guard 3 is raised to the position indicated by dotted lines in Figs. 1 and 2, the ears turn to a horizontal position, permitting the filled bag to

be removed without difficulty. In this latter position of the guard 3 the chute is effectually closed, preventing the coal from escaping until another bag is placed. Coal may accumulate above the guard ready to be discharged into the bag when the guard is raised. It is thus seen that the guard, which is preferably curved to approximately the shape of the bag, serves to protect the bag against injury and to direct the coal into the bag while holding it open, and when raised it operates the ears 6 to release the bag-handles and also prevents further escape of coal from the chute. It is simple in construction, inexpensive to manufacture, and not liable to get out of order.

What I claim as my invention, and desire to secure by Letters Patent, is as follows:

1. A bag-holder comprising a chute, a guard pivotally mounted below the lower end of the chute, being adapted to hold open the bag and to deflect material from the chute into the bag, and being further adapted to be raised about its pivotal supports to close the chute; and pivots securing the guard to the chute, said pivots being adapted to support the handles of the bag and having ears turned upwardly when the guard is in position to hold open the bag, and downwardly when the guard is in position to close the chute.

2. A bag-holder comprising in combination a chute; a curved guard pivotally mounted transverse the chute at its lower end, and adapted when lowered to extend downwardly into the mouth of a supported bag and upwardly above its mouth, the edges of said guard fitting the sides and bottom of the chute when the guard is raised; and extending pivots secured to the guard and the chute, said pivots having ears at their ends, which turn upwardly when the guard is lowered and downwardly when it is raised, for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JACOB H. GMELIN.

Witnesses:

P. M. HOLDSWORTH,
GEO. B. WILLCOX.