Jan. 29, 1929. 1,700,248

J. E. WOLFE

BAG HOLDER

Filed Dec. 27, 1926

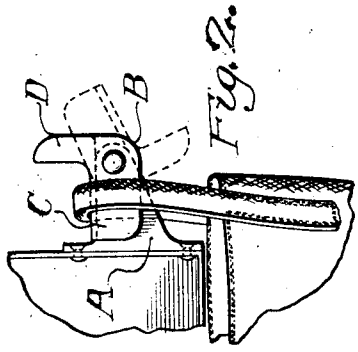


Fig. 2.

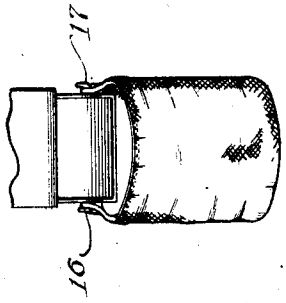


Fig. 1.

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UNITED STATES PATENT OFFICE.

JOHN E. WOLFE, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO CALUMET COAL COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

BAG HOLDER.

Application filed December 27, 1926. Serial No. 157,230.

This invention relates to an improved bag holder for discharge chutes, which is particularly adapted for use in coal bagging machinery.

The main objects of this invention are to provide an improved bag holder of inexpensive construction that may be conveniently manipulated for releasing bags from the discharge end of a chute after they are filled.

Workmen employed in a coal yard generally wear gloves or mittens and therefore they are unable to manipulate their fingers freely and to extend them into constricted spaces for actuating a confined holding means. The handles of an ordinary coal bag are soft and flexible and when the bag is hung on ordinary pegs of a discharge chute, the sides of the loops, forming the handles, are pulled closely together. This condition renders it difficult for the workman to slip his mittened or gloved finger within the loops comprising the handles to lift the bag from the pegs.

Whether the workman wears gloves or mittens, his thumbs are always free to release the improved holding means provided by this invention.

In the accompanying drawings, I have illustrated a specific embodiment of my invention in which:

Figure 1 is a fragmentary perspective view of a discharge chute comprising my improved bag holder and showing a bag supported thereby; and

Fig. 2 is an enlarged fragmentary detail of one of the bag handle supporting hooks.

In the form shown, the chute 14 is preferably of narrow width and is provided at each side thereof with hooks 16 and 17 upon which the handles of the coal bag to be filled may be hung. Each of the bag handle hooks is made so that the handles of the coal bag can be gotten off without lifting the bag which when filled with one hundred pounds of coal, is rather difficult. This object is accomplished by constructing each hook with a horizontal outwardly projecting lug A which carries a bell crank shaped hook member B pivoted to the outer end thereof. When the bell crank member B is in its normal position to receive a bag handle, arm C thereof is adapted to rest upon and be supported by the lug A, while the other arm D extends upwardly from the point of pivotal connection. While the bag is being filled, the handles rest on the arms C and after the bag is filled the handles are pushed outwardly, thereby rocking the hooks about their pivots and thus releasing the handles.

When the bag is supported by the hooks, the arms D extend upwardly into unconfined spaces where they may be readily engaged by the thumbs of a gloved or mittened hand.

I claim:

A coal bagging chute having a pair of bag handle supporting hooks mounted one on each side of said chute adjacent the discharge end thereof, each of said supporting hooks comprising a horizontally disposed lug, a bell crank pivotally mounted at the outer extremity of said lug, one arm of said bell crank being adapted to rest on and be supported by said lug when in one position, the other arm of said bell crank being arranged to extend upwardly from the point of pivotal connection when said bell crank is in said one position, said bell crank being adapted to rotate on said pivotal connection substantially as described and for the purpose set forth.

Signed at Chicago this 18th day of December, 1926.

JOHN E. WOLFE.