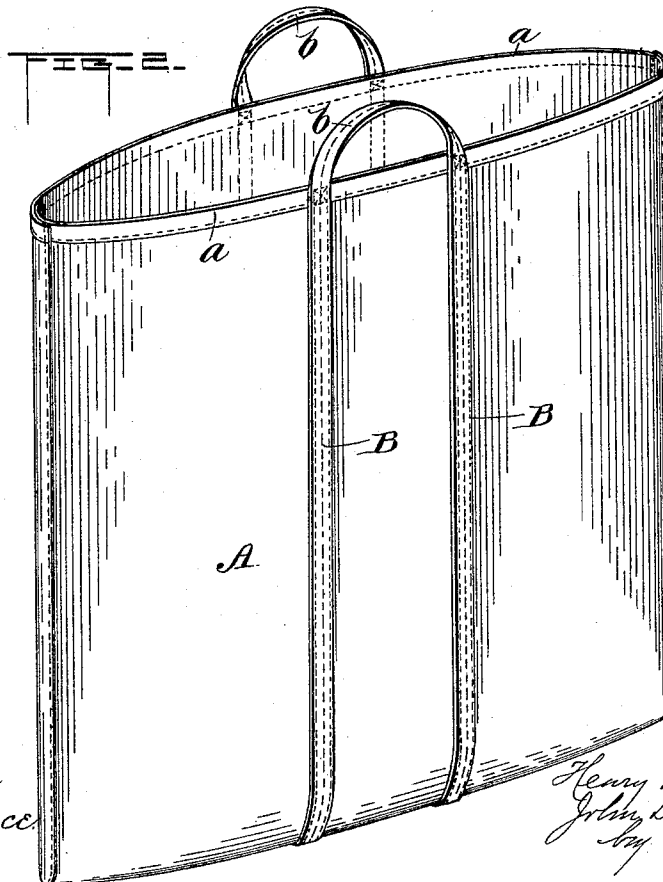
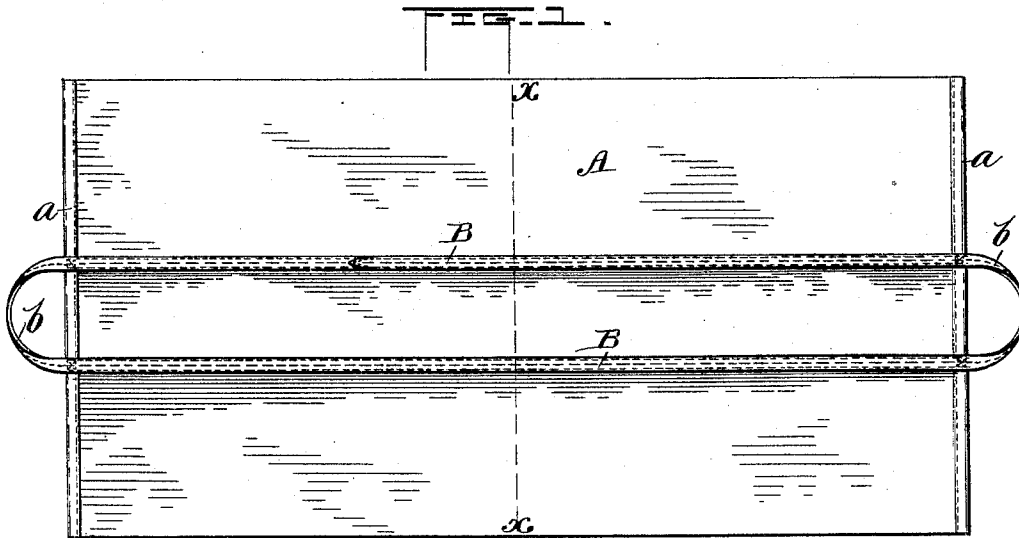


(No Model.)

H. P. & J. D. VAN OLINDA.
COAL OR OTHER BAG.

No. 467,452.

Patented Jan. 19, 1892.



Witnesses
Gloverance
Chines.

Inventors.
Henry P. Van Olinda
John D. Van Olinda
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UNITED STATES PATENT OFFICE.

HENRY P. VAN OLINDA AND JOHN D. VAN OLINDA, OF YONKERS,
NEW YORK.

COAL OR OTHER BAG.

SPECIFICATION forming part of Letters Patent No. 467,452, dated January 19, 1892.

Application filed October 2, 1891. Serial No. 407,543. (No model.)

To all whom it may concern:

Be it known that we, HENRY P. VAN OLINDA and JOHN D. VAN OLINDA, citizens of the United States, residing at Yonkers, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Coal or other Bags; and we 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.

Our invention relates to bags for handling coal or other substances; and it consists in certain novel constructions and arrangements of parts, as will be hereinafter described, and specifically claimed.

In the accompanying drawings, Figure 1 is a plan view of a piece of heavy canvas or other suitable material provided with strengthening encircling strips or bands and ready to be formed into a bag by being folded at the line *x x*, and Fig. 2 is a perspective view of the canvas or other suitable material after it is formed into a bag ready for use.

A in the drawings represents a stout piece of canvas or other suitable material of which the bag is to be formed cut into a rectangular form and of a suitable length and width, but of greater length than width. The fabric is suitably hemmed at its narrower ends or sides *a a* to form a stout finished edge for the mouth of the bag when the fabric is folded.

B B are encircling strengthening strips or bands which entirely encircle the bottom and sides of the bag, and which terminate in handles *b b* at the mouth of the bag. These strips or bands are made of heavy canvas, leather, or other suitable material securely fastened to the material of which the bag is formed by sewing or other suitable means, and are preferably formed of a single piece of material, as clearly shown in Fig. 1. The strips or bands are so secured at the ends *a a* of the material of which the bag is formed that when the material is so folded at *x x* to bring the strips or bands on the outside, as shown in Fig. 2, the handles *b b* will lie flat, their broad surfaces being horizontal, thereby

forming convenient hand-holds, which can be readily grasped and retained by the hand. It is necessary that these strips should be very strong and durable, and it is important that they entirely encircle the bottom and sides of the bag and be formed of a single piece of material, as by such construction their strength and that of the bag is greatly increased and the capability of the bag to be used in handling heavy material—such as coal—is greatly facilitated. By forming the bag with two separate strengthening encircling strips or bands, which pass entirely around the bottom of the bag and terminate in handles at the mouth of the bag, the liability of the handles to pull out or become separated from the bag is prevented and at the same time the strength of the bag is greatly increased.

Bags for handling coal are coming into use quite extensively, and especially in towns and cities where the law prohibits the dumping of coal on the sidewalk; but they are especially found convenient in delivering small quantities of coal, and by being made of a given size capable of holding when filled a uniform quantity—say one hundred pounds—the handling of coal is greatly facilitated and the purchaser is more apt to get good weight and clean coal.

It is important that these bags be simple in construction, durable, and cheap in price, and to secure these objects our invention is designed. It is also very important that the strengthening and encircling strips should terminate in flat handles at the mouth of the bag, as by this construction a very firm grasp on the handles can be obtained and the hand prevented from being cut by the great strain brought to bear upon it when the bag is filled with coal. We regard this as a very important feature of our invention.

What we claim as our invention is—

A bag for handling coal or other substances, formed of a stout flexible material and provided on its opposite sides with flat flexible strengthening and encircling strips or bands which pass entirely around the sides and bottom of the bag and terminate in flexible flat handles at the mouth of the bag, the said

strips being secured flat upon the bag by fastening them on both their edges, whereby a smooth flat surface is secured to the outside of the bag, and firm flat hand-holds secured at the mouth of the bag and the bag greatly strengthened and adapted to be compactly folded and packed for transportation, substantially as described.

In testimony whereof we hereunto affix our signatures in presence of two witnesses.

HENRY P. VAN OLINDA.
JOHN D. VAN OLINDA.

Witnesses:

C. A. BROWN,
CRIS STEPHNES.