

Feb. 20, 1923.

H. L. SMITH

1,446,400

MILL BASKET

Filed Feb. 4, 1922

2 sheets-sheet 1

Fig. 1.

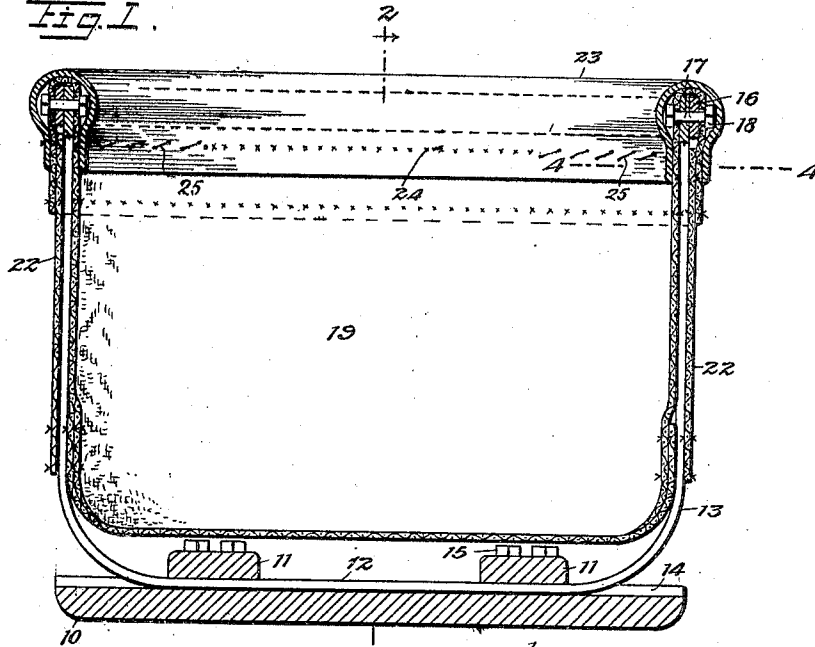
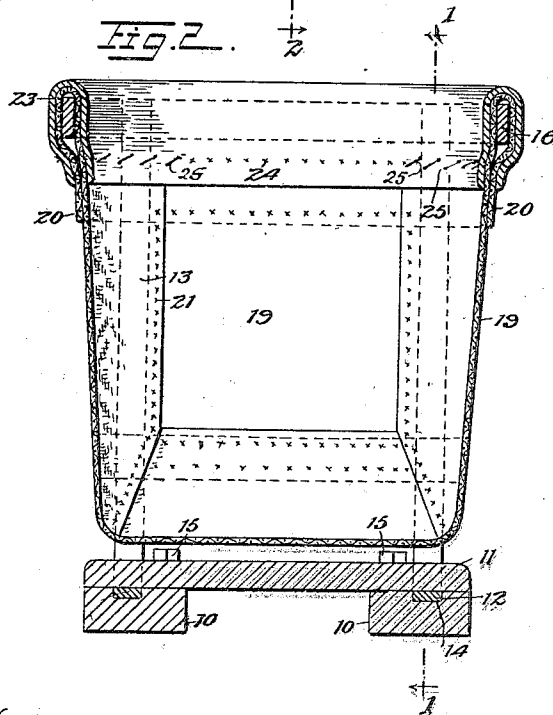


Fig. 2.



WITNESSES

H. T. Walker
J. L. Linscay

INVENTOR

Henry L. Smith
BY *Munroe Co.*
ATTORNEYS

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H. L. SMITH

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Fig. 3.

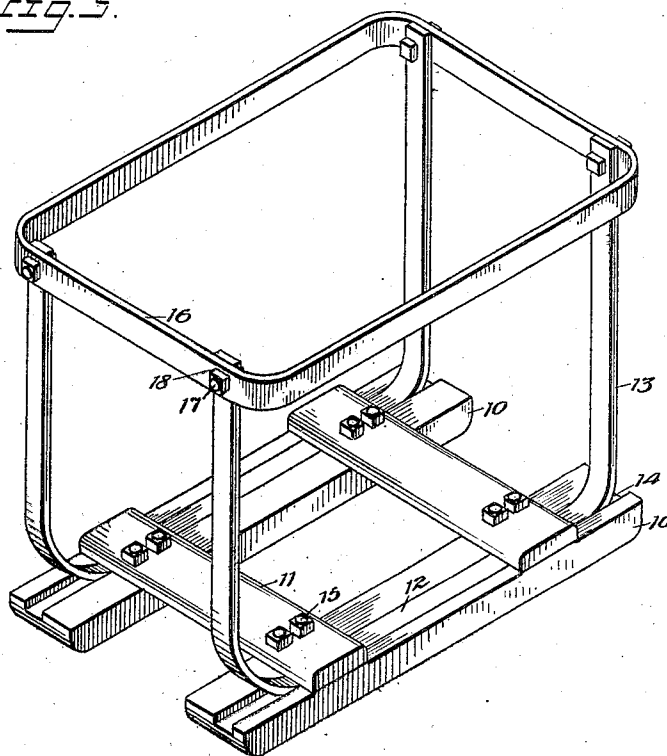
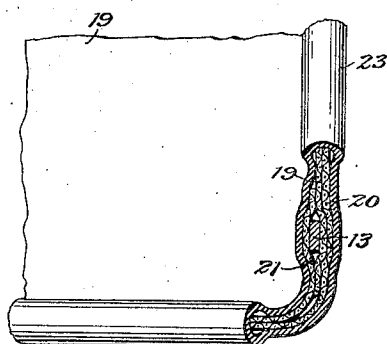


Fig. 4.



WITNESSES

H. T. Walker
J. L. Meauliffe

INVENTOR

Henry L. Smith
BY *Munn & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

HENRY LOSSON SMITH, OF DALTON, GEORGIA, ASSIGNOR TO SMITH MANUFACTURING COMPANY, OF DALTON, GEORGIA, A CORPORATION OF GEORGIA.

MILL BASKET.

Application filed February 4, 1922. Serial No. 534,158.

To all whom it may concern:

Be it known that I, HENRY L. SMITH, a citizen of the United States, and a resident of Dalton, in the county of Whitfield and State of Georgia, have invented a new and Improved Mill Basket, of which the following is a description.

My invention relates to baskets for use in mills and employing canvas and a stiffening frame in the structure of the basket.

The general object of the invention is to provide a basket of the indicated class improved in various particulars having new and novel means for giving the basket a knock-down form and so arranged as to promote convenience in the assembling and disassembling of the basket.

A characteristic of my invention is that a stiffening rim is detachably secured to uprights which themselves are removably secured to a base, said rim carrying the canvas material so that the latter is detachable with the rim and is positioned with the positioning of the rim on the uprights.

The distinctive features and advantages of the invention will more clearly appear as the description proceeds.

Reference is to be had to the accompanying drawings forming a part of this specification, it being understood that the drawings are merely illustrative of one example of the invention.

Figure 1 is a longitudinal vertical section of a mill basket embodying my invention;

Figure 2 is a transverse vertical section on the line 2—2, Figure 1;

Figure 3 is a perspective view of the base and frame in erect position;

Figure 4 is a fragmentary plan view at the corner of the basket and partly in section on the line 4—4, Figure 1.

In carrying out my invention in accordance with the illustrated example longitudinal base strips 10 are provided, and united by cross pieces 11, the base pieces 10 and cross pieces 11 being employed in suitable number according to the size of the basket. U-shaped frame elements 12 are provided the straight bottoms of which are accommodated in longitudinal grooves 14 in the upper sides of the longitudinal members 10 to lie flush with the upper surface and to permit of the cross pieces 11 overlying the straight bottom portions of the elements 12.

Bolts or rivets 15 are employed to secure the cross pieces 11 to the longitudinal members 10. The bolting or riveting of said cross pieces clamps in position the elements 12.

The ends 13 of the elements 12 constitute uprights and I provide a stiffener rim 16 and means to detachably secure the said rim to the upper ends of said uprights, bolts 17 and nuts 18 being preferably employed for the purpose.

The canvas 19 for forming the walls of the basket is applied to the frame consisting of the U-shaped members 12 and rim 16. The canvas is carried upwardly within the rim 16 and is turned over the top of the latter and downwardly to form a reinforcing 20 at the top of the basket. The material forming the sides of the basket and the material forming the ends are overlapped at the corners to provide vertical casing 22 for the uprights 13, said casings being open at the bottom to permit the canvas material to be slipped onto and from the said uprights, thereby making possible the renewal of the canvas container in a practical manner and with convenience.

The bolts 17 and nuts 18 pass through the canvas and therefore cause the same to be carried by the rim 16 whereby the detachment of the rim from the uprights 13 permits the removal of the combined rim 16 and canvas 19 in disassembling the basket. On the other hand the placing of the canvas in position with the uprights 13 entered in the casings 22 serves to position the uprights and rims for receiving the bolts 17 in erecting the basket.

A binding 23 of leather is advantageously employed over the upper edge of canvas 19 and rim 16 and over the bolts 17, thereby housing the latter. The binding 23 may be permanently secured to the canvas by lines of stitching 24 terminating short of the corners of the basket while at the corners and for a distance at each side of a corner, a cord 25 may be suitably laced through the binding 23 and canvas 19 so that the removal of the lacing will afford access to the bolts 17 and nuts 18.

I would state in conclusion that while the illustrated example constitutes a practical embodiment of my invention, I do not limit myself strictly to the exact details herein illustrated, since, manifestly, the same

can be considerably varied without departure from the spirit of the invention as defined in the appended claims.

Having thus described my invention, I claim:

1. A basket of the class described including longitudinal bottom members each presenting a groove, cross members uniting said longitudinal members, U-shaped frame elements having upstanding arms, those portions of said elements between the arms being removably held to said longitudinal members in said groove, a rim detachably secured to said arms at the top, and a canvas receptacle supported by said rim; together with means for securing both the rim and the canvas to said arms.

2. A basket of the class described including longitudinal bottom strips having longitudinal grooves in the top surfaces thereof, U-shaped frame elements having upstanding arms the intermediate portions of said elements accommodated in said grooves, cross strips overlying said elements and detachably secured to said longitudinal strips,

a top rim detachably secured to the upper ends of said arms, and a canvas receptacle supported by said rim; together with means for securing the rim and the canvas to said arms.

3. A basket of the class described, including upright frame members, a rim securable to the upper ends of said frame members, a canvas receptacle having pockets at the corners for receiving said frame members carried by said rim, said pockets being open at the lower end and closed at the upper end, said receptacle at the upper end being turned over to the outer side of said rim and secured thereto by stitches extending between the respective frame members, and means securing said rim and said receptacle to said frame members; together with a binding secured to said receptacle at the upper edge, said binding having means adjacent the frame members to permit the removal of the means securing the rim and the receptacle to the frame members without detaching the binding from the receptacle.

HENRY LOSSON SMITH.