No. 608,304. Patented Aug. 2, 1898.

H. F. RIGG.

BUCKET.

(Application filed Oct. 29, 1897.)

(No Model.)

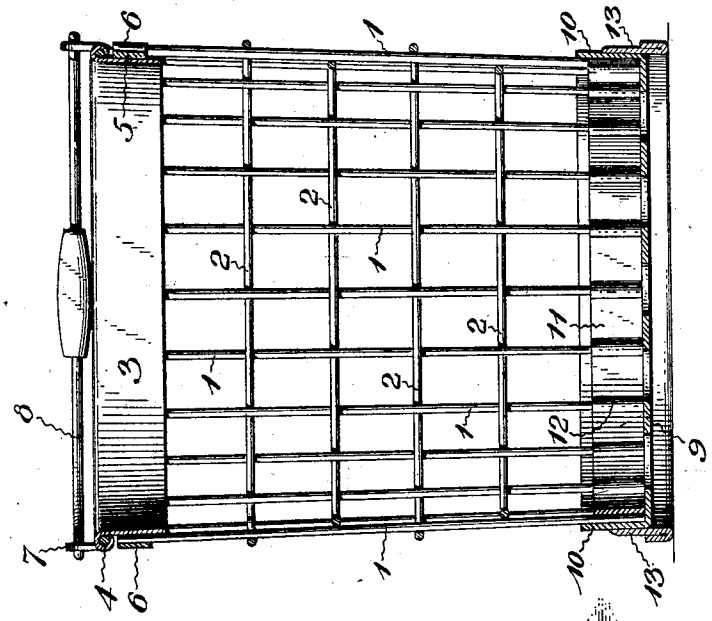


Fig. 2.

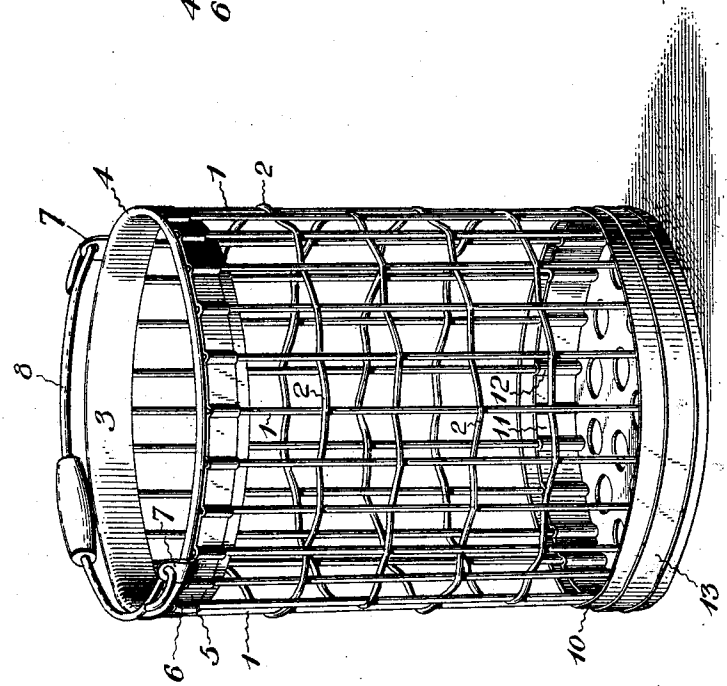


Fig. 1.

Inventor
Hiram F. Rigg.

Witnesses
J. Grauf Culverwell,
Edwin Cruse.

By Mo Attorneys,
C. A. Snow & Co.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HIRAM F. RIGG, OF RUSSELLVILLE, PENNSYLVANIA.

BUCKET.

SPECIFICATION forming part of Letters Patent No. 608,304, dated August 2, 1898.

Application filed October 29, 1897. Serial No. 656,826. (No model.)

To all whom it may concern:

Be it known that I, HIRAM F. RIGG, a citizen of the United States, residing at Russellville, in the county of Chester and State of Pennsylvania, have invented a new and useful Bucket, of which the following is a specification.

This invention relates to improvements in open-work buckets especially designed for use in gathering potatoes, its object being to provide a simple and efficient article of this character which will readily permit the escape of any soil that may be thrown into it with the potatoes when the latter are being gathered.

With these objects in view the invention consists of the several details of construction and combinations of parts, as will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a bucket made in accordance with my invention. Fig. 2 is a vertical transverse section.

Similar reference-numerals indicate similar parts in both figures.

The body of the bucket is formed of a series of vertical wire rods (indicated by 1) and a series of horizontal wires 2, woven through the vertical wires and secured thereto at intervals in any suitable manner in order to prevent them from slipping up or down.

3 indicates a ring or band formed from a strip of sheet metal and having its upper edge flanged and wired, as indicated at 4, to give it rigidity and strength. The upper ends of the rods 1 lie against the outer face of the ring or band 3 and abut at their upper ends against the flange 4, and in order to hold the wires in position I provide a band 5, formed of sheet metal and provided with a series of crimps 6, which latter fit over and form pockets for the reception of the wire rods 1. The bands 3 and 5 are soldered together at intervals and also to some of the wire rods, and the bands and wire rods will thus be securely connected together. A pair of ears 7 are soldered at opposite points on the outer faces of the bands 3 and 5, and a bail 8, of ordinary construction, is pivoted in these ears.

9 indicates a perforated sheet-metal bottom provided with an upwardly-turned flange 10 around its edge, and the lower ends of the wire rods 1 will abut against the bottom 9 and lie against the inner face of the flange 10. A band of sheet metal 11, provided with a series of crimps 12, is fitted within the flange 10, and the crimps 12 form pockets for the lower ends of the respective wire rods 1. The band 11 is soldered at intervals to the flange 10, and some of the wire rods are soldered to the flange and band, and the bottom is thus firmly secured to the body. Preferably the same wires which are soldered to the bands 3 and 5 at their upper ends will also be soldered at their lower ends to the flange 10 and band 11.

13 is a rim fitted over and soldered to the exterior face of the flange 10, and this rim extends below the bottom 9 and forms a support for the bucket to keep the bottom out of contact with the ground or other surface.

From the foregoing description it will be seen that I have provided a strong and efficient open-work bucket that will screen potatoes as they are thrown into it during the operation of gathering them and that such bucket can be manufactured at a much lower cost than when the entire article is of woven wire and will also be stronger and stiffer and not liable to lose its shape. By securing the vertical wire rods at their upper and lower ends to a flanged band and bottom, respectively, as described, they cannot get out of place, and the ends are also completely shielded and will not offer projections liable to injure the hands of the user of the bucket or any article that may be placed in the bucket.

It is of course to be understood that the bucket may be used for purposes other than gathering potatoes, and also that changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what I claim is—

1. An open-work bucket, comprising a body formed of a series of vertical wire rods and a series of horizontal connecting-wires woven through the wire rods, a sheet-metal band to which the upper ends of the vertical rods are secured, said band being provided with a flange located above the upper ends of the rods, a sheet-metal bottom against which the

lower ends of the vertical rods abut, said bottom having a vertical annular flange to which the rods are secured, and the concentric bands arranged at the upper band and the flange of the bottom and having crimps forming pockets for the vertical rods, substantially as described.

2. An open-work bucket, comprising a body of woven wire, a band secured to the top of the body at the inner face thereof, and provided with an outwardly-extending flange located above the upper ends of the wires, a bottom having an upwardly-extending flange secured to the lower ends of the wires at the outer face of the body, and the concentric bands arranged respectively on the outer face of said band and the inner face of the flange of the bottom and provided with crimps forming pockets to receive the ends of the wires, substantially as described.

3. A bucket comprising a body of woven wire, a band secured to the top of the body, a bottom provided with an upwardly-extending flange arranged on the outer face of the body, a concentric band arranged on the inner face of the flange and provided with crimps forming pockets to receive the lower ends of the wires, and the rim fitted over and secured to the exterior face of the flange of the bottom and projecting below the latter and forming a support for the bucket, substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HIRAM F. RIGG.

Witnesses:
FANNY W. KERR,
MARGARETTA E. KERR.