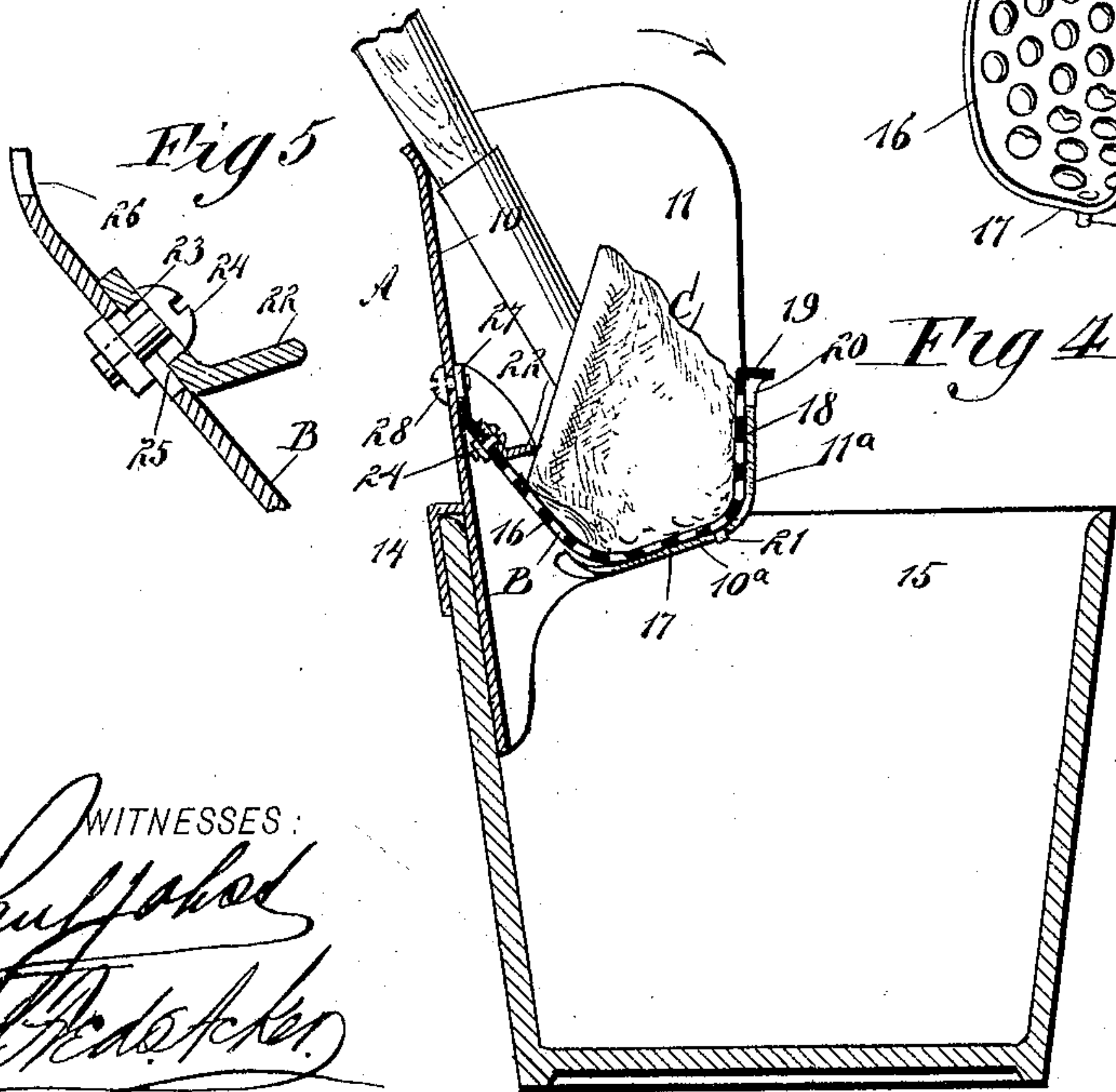
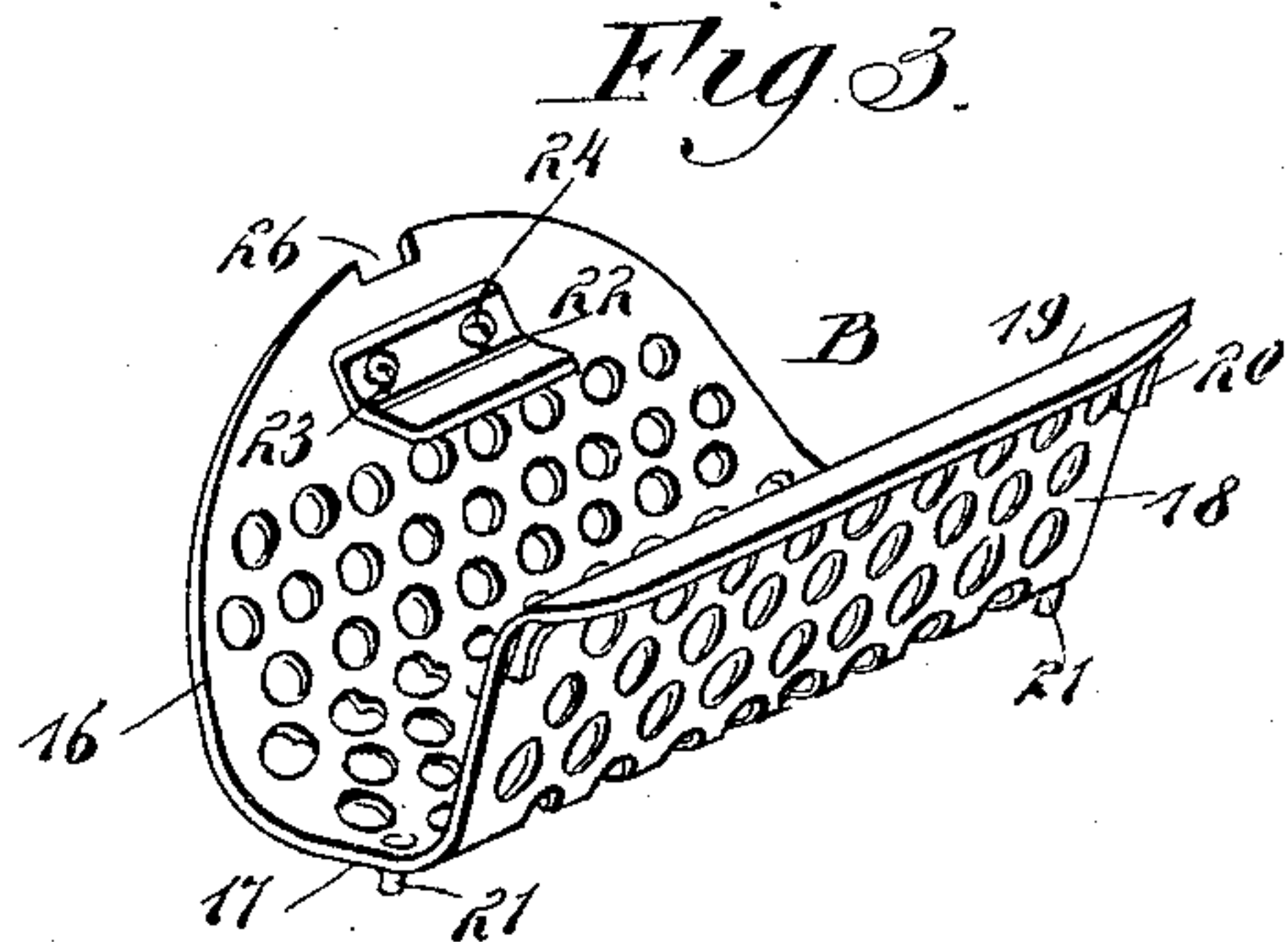
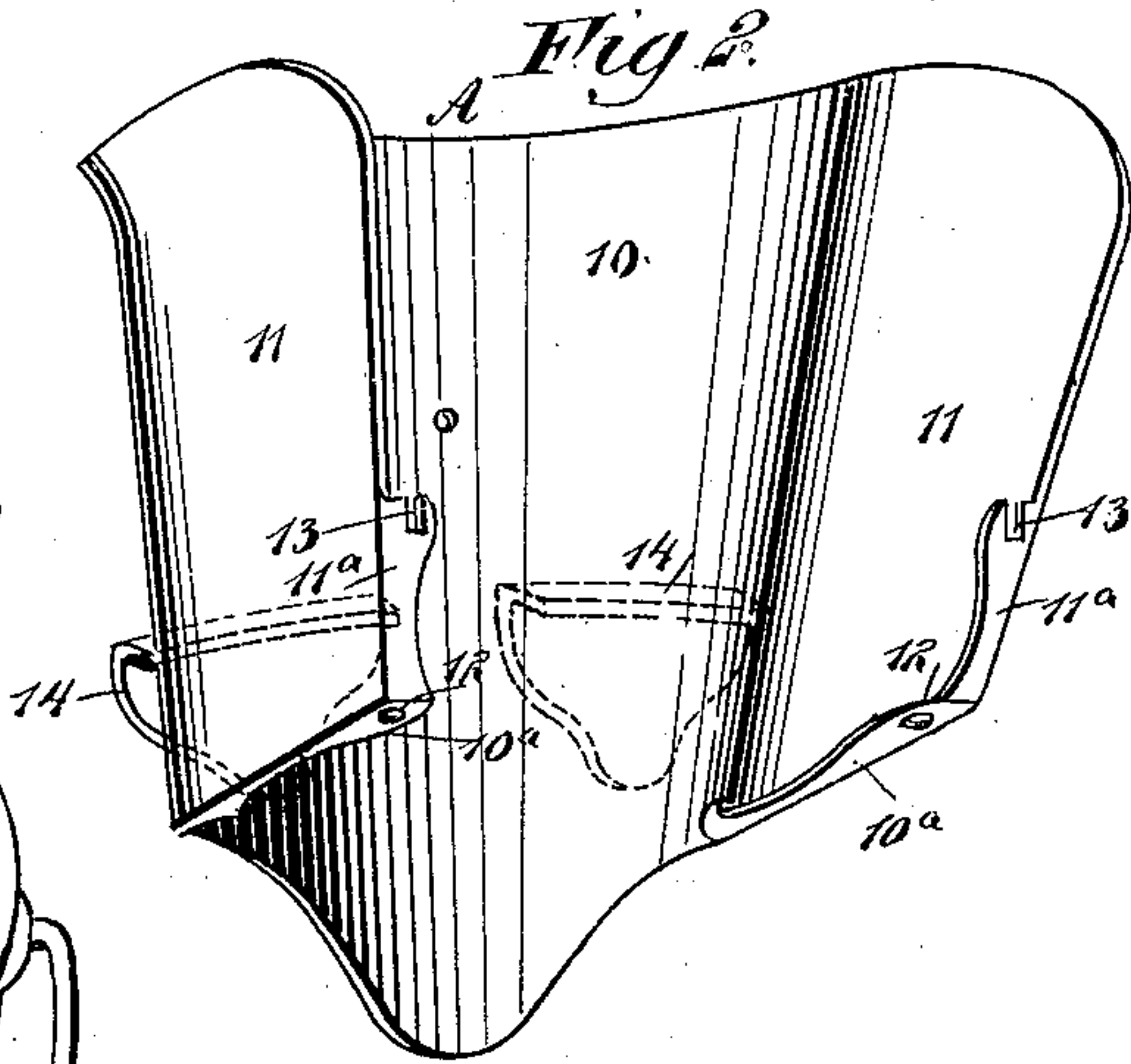
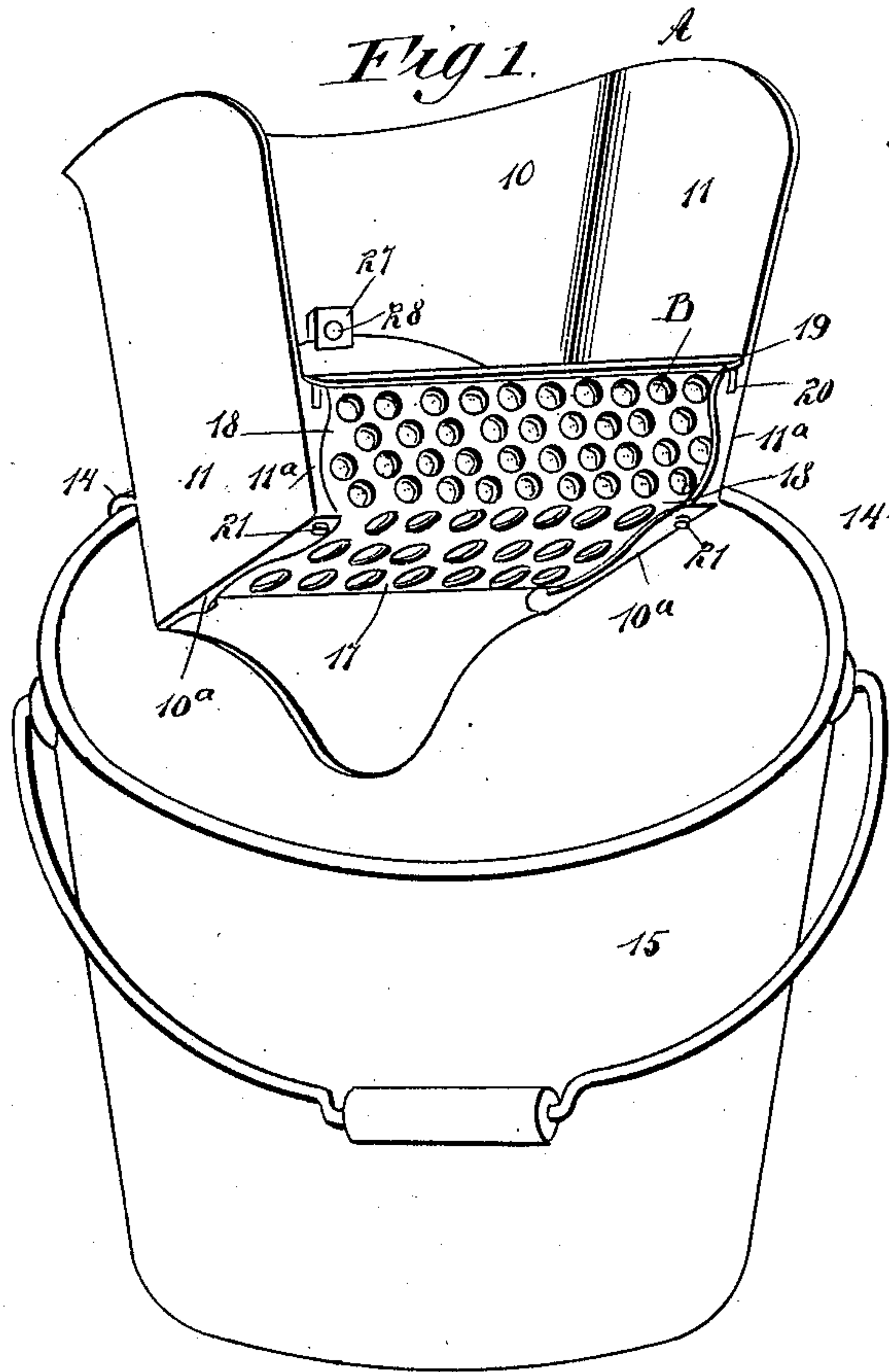


(No Model.)

H. A. WOLFF.
MOP WRINGER.

No. 603,547.

Patented May 3, 1898.



WITNESSES:
Lauffel
Frederick

INVENTOR
H. A. Wolff
BY *Munn*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

HERRMANN A. WOLFF, OF NEW HAVEN, CONNECTICUT.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 603,547, dated May 3, 1898.

Application filed September 23, 1897. Serial No. 652,764. (No model.)

To all whom it may concern:

Be it known that I, HERRMANN A. WOLFF, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and Improved Mop-Wringer, of which the following is a full, clear, and exact description.

The object of the invention is to provide a mop-wringer especially adapted for use in connection with a mop, an application for Letters Patent for which has been filed concurrently herewith; and a further object of the invention is to provide a mop-wringer so constructed that it may be applied readily to a bucket or a like receptacle and by means of which the absorbent material of the mop may be expeditiously and conveniently compressed to such an extent as to force all of the water and the greater portion of the moisture from said absorbent material, leaving the mop when removed from the wringer in a condition to take up a further supply of fluid, so that the floor or other surface will be left comparatively dry, the mop-wringer being, furthermore, so constructed that all of the liquid pressed from the body of the mop will be received within the bucket or other receptacle upon which the wringer is placed.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved wringer applied to a pail. Fig. 2 is a perspective view of the body portion of the wringer. Fig. 3 is a perspective view of the mop-receptacle removed from the body of the wringer. Fig. 4 is a vertical section through the wringer and the pail to which it is applied, showing the mop in position to be wrung; and Fig. 5 is a detail sectional view through the back portion of the mop, the section being taken at the central portion of the said receptacle.

All parts of the wringer are preferably made of metal, and the wringer comprises, practically, a body A and a mop-receptacle B. The body A consists of a back section 10,

which is usually curved transversely, and two opposing side sections or wings 11, which extend forwardly from the back, the wings or side sections 11 being ordinarily of less length than the body. Each wing or side section 11 of the body is provided at its bottom with an inwardly-extending horizontal flange 10^a and at the lower portion of its front vertical edge with an inwardly-extending vertical flange 11^a, as is best shown in Fig. 2.

An opening 12 is made in each horizontal flange 10^a near its connection with the vertical flange 11^a, and in the upper edge of each vertical flange a slot 13 is produced. Cleats 14 are secured to the back portion of the body, which cleats are so shaped that they will receive the upper portion of a pail, the body of the pail entering between the cleats and the rear face of the back sections of the body, as shown in Fig. 4. The mop-receptacle B is made of a perforated or reticulated material and consists of a rearwardly-inclined back 16, a bottom 17, which is preferably given a slight upward inclination, and a front 18, having an outwardly-extending flange 19 at its upper edge. The bottom 17 of the mop-receptacle rests upon the horizontal flanges 10^a of the body, and the side edges of the front portion bear against the vertical flanges 11^a of the body when the mop-receptacle is placed in position thereon.

In the front face of the front section of the mop-receptacle, near each of its side edges, a lug 20 is formed, and these lugs when the mop-receptacle is in place in the body enter the slots 13 in the vertical flanges 11^a, while studs 21, formed upon the bottom of the mop-receptacle, will enter the openings 12 in the horizontal flanges 10^a, as shown in Figs. 1 and 4.

Upon the front of the back section 16 of the mop-receptacle, near the central portion of its upper edge, an angular stop 22 is located. The said stop 22 is provided with vertical slots 23 in its upper member, which member is in engagement with the mop-receptacle, the other member of the stop extending over the bottom portion of the receptacle. Bolts 24 or their equivalents are passed through the slots 25, made in the back of the mop-receptacle.

In operation the mop-head C is made to enter beneath the forwardly-extending member

of the stop 22, as shown in Fig. 4, the absorbent material of the mop being bunched up and supported by the front and bottom portions of the said receptacle. By carrying the mop-handle forward and downward, as indicated by the arrow in Fig. 4, the mop-head will be held in the wringer, while the liquid will be pressed from the absorbent material of the mop, and said liquid will flow into the pail 15, on which the wringer is mounted, through the openings in the mop-receptacle.

The mop-receptacle is readily detachable from the body in order that it may be conveniently and thoroughly cleaned, the said receptacle being prevented from sliding upward on the body by causing a nut 27, located on a bolt 28, to enter a recess 26 in the upper edge of the back of the said receptacle. The bolt 28 is passed through the back portion of the body of the device.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a mop-wringer, the combination, with a body portion open at the front and provided with supporting-ledges, of a perforated mop-receptacle arranged to have bearing upon said ledges, and a stop carried by the mop-receptacle, which stop extends over the bottom of the said receptacle, and is adapted for engagement with a mop-head, for the purpose set forth.

2. In a mop-wringer, the combination, with a body comprising a back and side wings, of a perforated mop-receptacle, means for securing the said receptacle in the said body between its wings, and a stop attached to the back portion of the mop-receptacle, the stop being of angular formation, one of its members extending in direction of the bottom of the mop-receptacle, for the purpose specified.

3. In a mop-wringer, the combination, with a body comprising a back section and wing-sections, the wing-sections being provided with horizontal bottom flanges and vertical flanges at the front, of a perforated mop-receptacle arranged for locking engagement

with the flanges of the wings, the mop-receptacle comprising a back forwardly and downwardly inclined, a bottom portion and a front portion, the bottom and front portions of the mop-receptacle being provided with means for locking engagement with the said flanges of the wings, and a stop secured to the back portion of the mop, a member of the stop extending over the bottom portion of the said mop-receptacle, for the purpose specified.

4. In a mop-wringer, the combination, with a body comprising a back and side wings, the back portion being provided with clamps for engagement with a vessel, of a mop-receptacle provided with perforations, and comprising an inclined back, a slightly-inclined bottom and an inclined front, a locking engagement between the mop-receptacle and the said body, and a stop attached to the body, a member of the said stop extending forwardly over the bottom portion of the said mop-receptacle, for the purpose specified.

5. In a mop-wringer, the combination, with a body comprising a back and side wings, horizontal flanges secured to the bottom portions of the wings of the body, and vertical flanges attached to the vertical edges of the said wings, connecting with the horizontal flanges, the horizontal flanges being formed with apertures and the vertical flanges with slots, and means for attaching the body to a vessel, of a perforated mop-receptacle provided with projections from its bottom, arranged to enter the openings in the horizontal flanges, and likewise provided with lugs at its front, arranged to enter the slots in the vertical flanges of the wings, and a stop adjustably attached to the back portion of the mop-receptacle, the stop being angular in cross-section and a member of said stop being carried forwardly over the bottom portion of the mop-receptacle, for the purpose specified.

HERRMANN A. WOLFF.

Witnesses:

J. FRED. ACKER,
EVERARD BOLTON MARSHALL.