

(No Model.)

C. M. D. BARON.
SANITARY PAIL.

No. 567,446.

Patented Sept. 8, 1896.

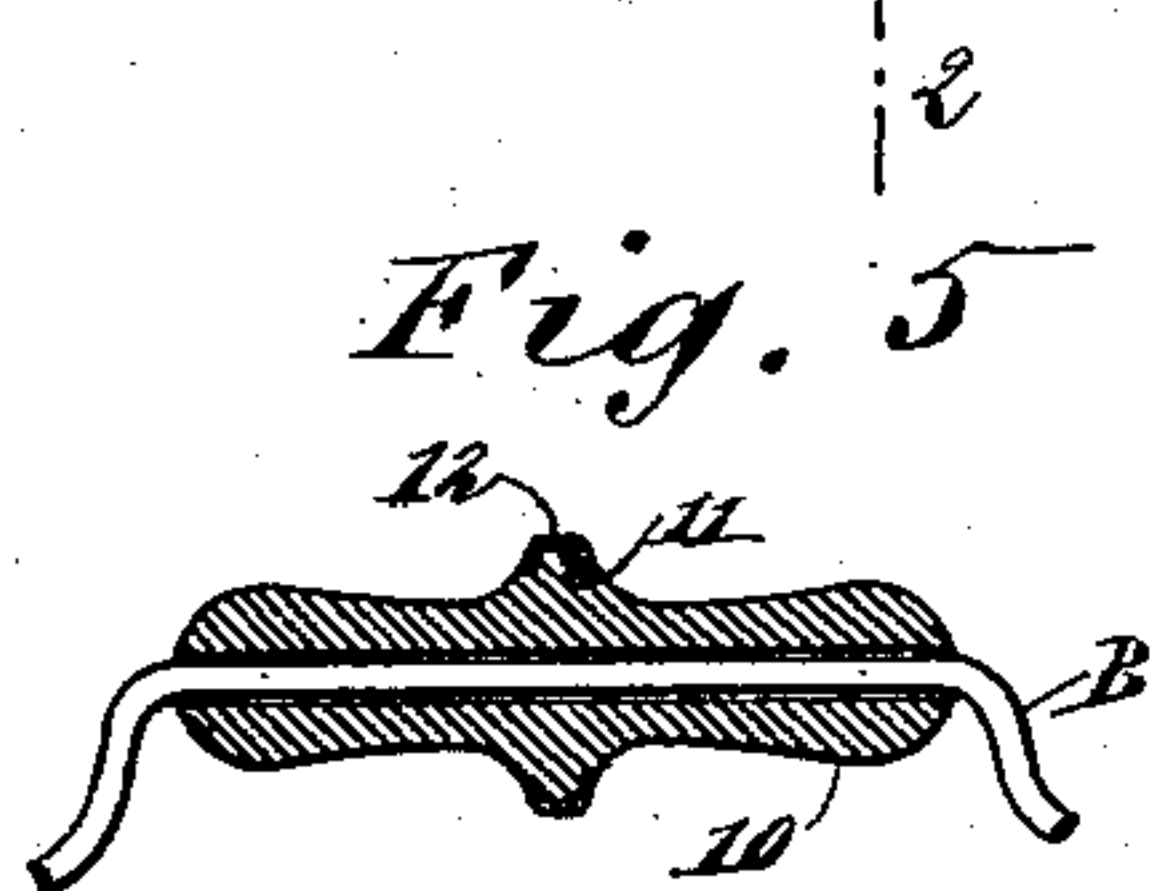
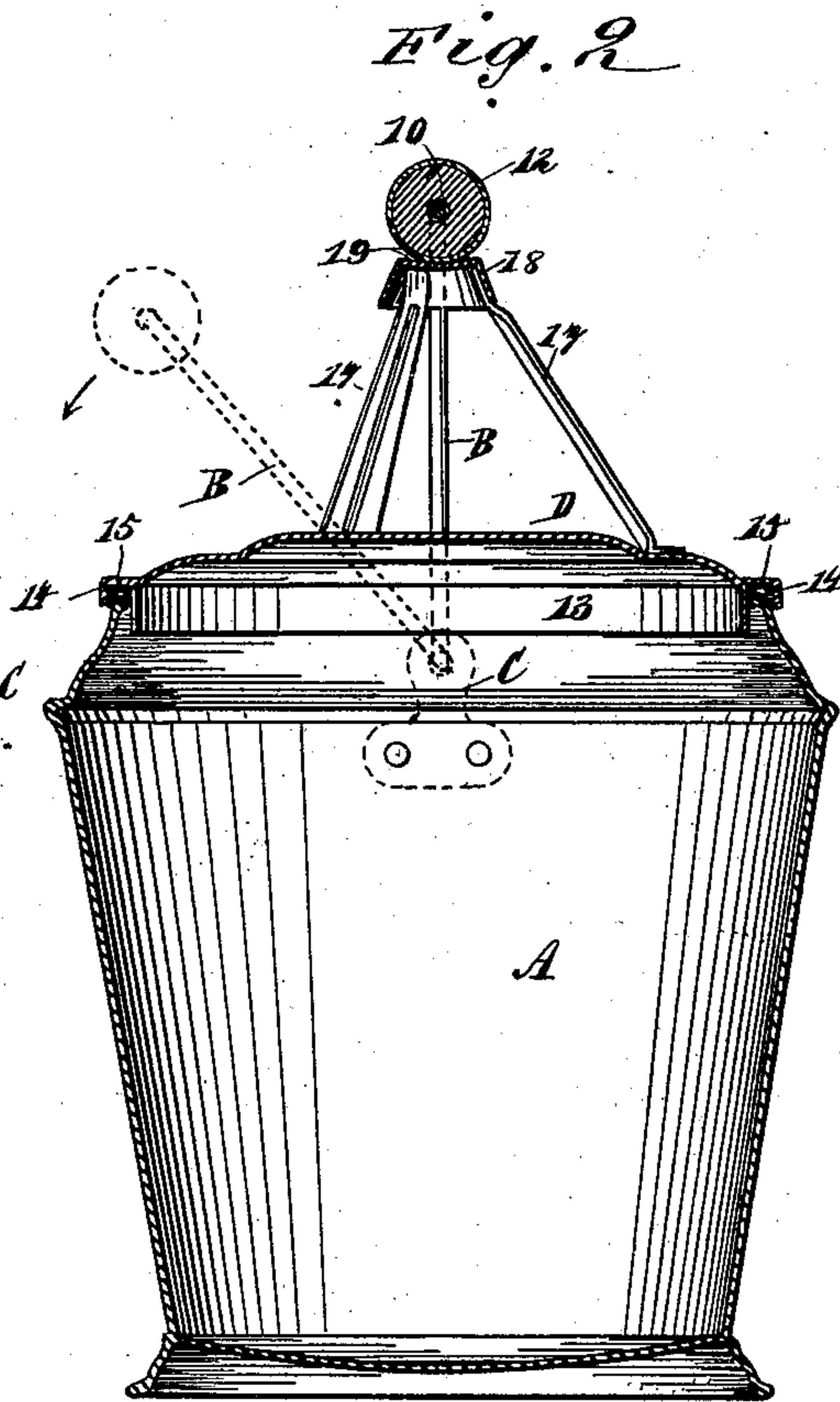
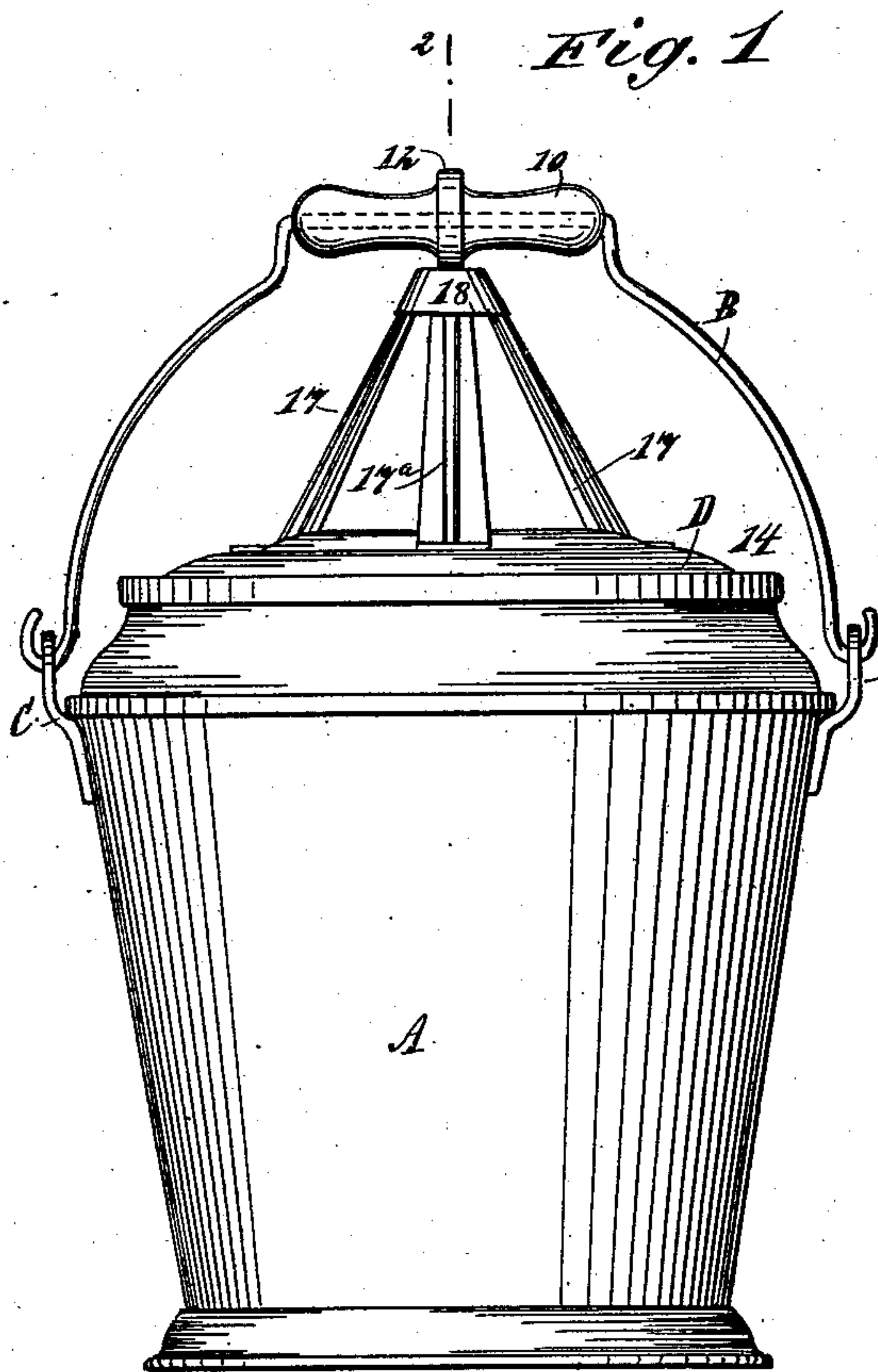


Fig. 3

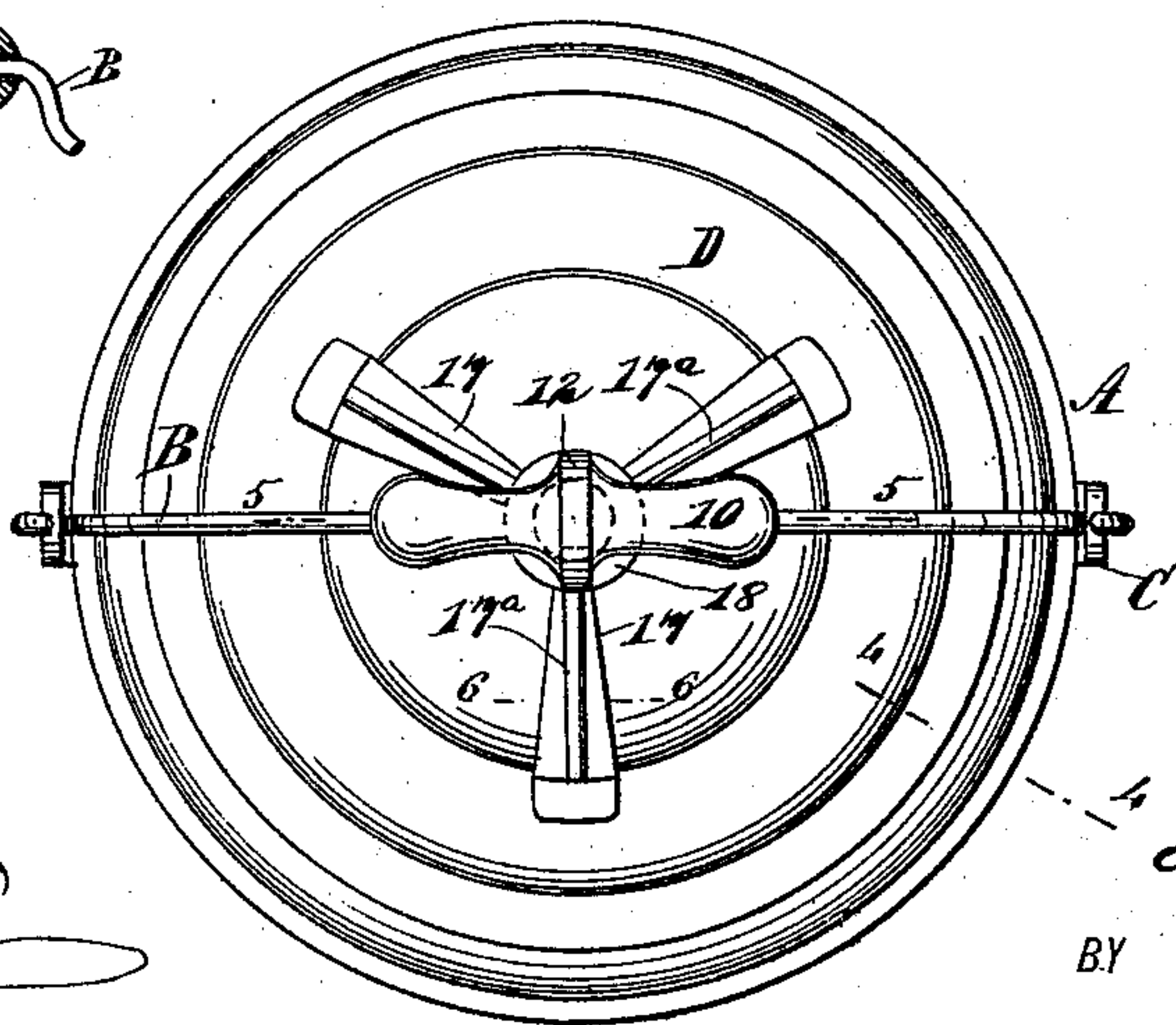


Fig. 4

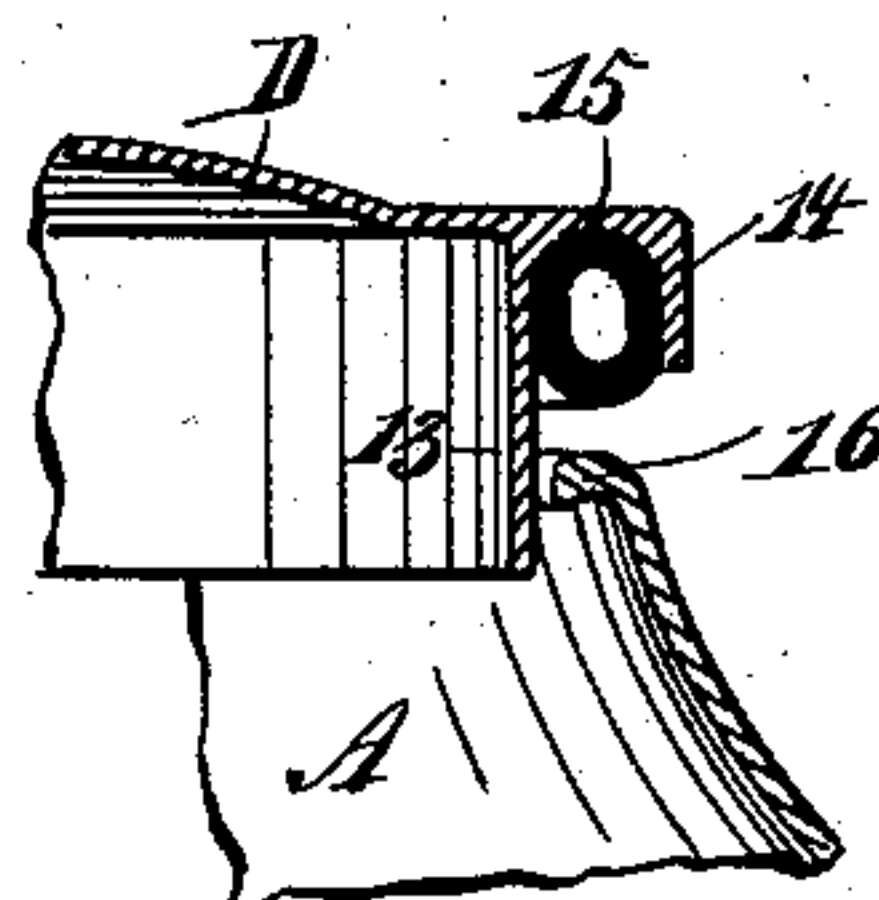


Fig. 6



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CHARLES M. D. BARON, OF NEW YORK, N. Y.

SANITARY PAIL.

SPECIFICATION forming part of Letters Patent No. 567,446, dated September 8, 1896.

Application filed May 7, 1896. Serial No. 590,585. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. D. BARON, of New York city, in the county and State of New York, have invented a new and useful
5 Improvement in Sanitary Pails, of which the following is a full, clear, and exact description.

The especial object of my invention is to improve upon the construction of the pail for
10 which Letters Patent were granted to me September 20, 1892, No. 483,036, the improvements being such as to greatly economize in the cost of manufacture, and to provide a cover for an ordinary pail which will fit
15 thereto in an air-tight manner and which may be expeditiously and conveniently secured in place through the medium of the bail of the pail.

Another object of the invention is to so construct the various parts of the cover that it
20 may be quickly and accurately placed in position on the pail, and whereby each and every part of the cover will be light, yet strong, and, furthermore, to so construct the
25 handle on the bail of the pail that it will of itself act as a locking-roller for the cover and be made practically in one piece.

The invention consists in the novel construction and combination of the several
30 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.
35

Figure 1 is a side elevation of the improved sanitary pail and its cover. Fig. 2 is a vertical section taken on the line 2 2 of Fig. 1. Fig. 3 is a plan view of the cover and pail.
40 Fig. 4 is an enlarged detail section on the line 4 4 of Fig. 3 through the marginal portion of the cover and the upper marginal portion of the pail and illustrating the cover as slightly lifted from the pail. Fig. 5 is a longitudinal
45 section through the handle for the pail, the section being taken on the line 5 5 of Fig. 3; and Fig. 6 is a section taken through one of the supports for the locking device, the said section being taken practically on the line 6 6
50 of Fig. 3.

In carrying out the invention the pail A may be of the ordinary construction, and the usual bail B is employed, connected with the body of the pail by means of ears C. The bail B is provided with a loosely-mounted
55 handle 10, centrally located thereon, and this handle is made in one piece, as shown in Fig. 5, being provided at its exterior central portion with an annular rib 11, the said rib being covered by a band 12 of metal or other
60 material of a hard character, so as to provide a roller at the central portion of the handle, integral therewith.

The cover D is given any necessary shape to fit the top of the pail. The cover is provided with the usual downwardly-extending
65 inner flange 13, as shown in Fig. 2 and in Fig. 4, and in addition to the downwardly-extending flange 13 a marginal angular flange 14 is also formed upon the cover, comprising a
70 horizontal and a vertical member. Between the marginal flange 14 and the inner flange 13 of the cover a cushion 15 is secured, which is preferably made of rubber and is tubular, as is particularly shown in Fig. 4. The cushion
75 is so placed that when the cover is placed in position in the top of the pail the cushion will bear upon the upper marginal rim 16 of the pail, as illustrated in Fig. 2, and by forcing the cover downward and holding it in such
80 position an air-tight connection is effected between the cover and the pail.

Arms 17, ordinarily three in number, are secured upon the cover equidistant from its center, and practically converging over the
85 center, the arms having a tripod arrangement. These arms support a conical table 18, the upper surface 19 whereof is dished or more or less concaved, as is particularly shown in Fig. 2.

When it is desired to lock the cover upon
90 the pail, the bail is carried upward over the cover until the roller-face 12 of the handle moves up the inclined surface of the table, whereupon the roller portion of the handle is forced over the upper edge of the table and
95 enters upon the concaved or dished face thereof, and the table is at such height from the top of the cover as to cause the bail B to be placed under tension and the ears C to be drawn inward slightly when the locking con- 100

nection is made between the handle and the aforesaid table. The pressure of the handle on the table being directly over the center of the cover, the cushion 15 will be compressed 5 equally throughout its entire length.

The cover may be quickly removed by simply carrying the handle from engagement therewith and lifting the cover from the pail.

The arms 17 may be in less number or in 10 greater number than illustrated, and they are made as light as possible consistent with strength, being usually made from thin metal, and they are wider at the bottom than at the top, being strengthened by a central longitudinal rib 17^a, generally made by striking 15 up the metal.

Under this construction it is obvious that an ordinary pail may be provided with an air-tight cover and a locking device therefor 20 at a minimum of cost, and that all the parts of the cover, together with the locking device, are exceedingly light, durable, and simple, and within the understanding of any person of ordinary intelligence.

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

1. The combination with a vessel, a bail therefor, and a handle loosely mounted on 30 said bail and provided with a central annular rib having a hard outer surface, of a cover fitted to said vessel provided with arms converging over its center, and a conical table supported by said arms having an upper concave surface, said table being arranged to be 35

engaged by said annular rib, as and for the purpose specified.

2. The combination with a vessel, a bail therefor, and a handle mounted to turn on said bail being provided with a projecting annular rib, of a cover, provided with an overhanging marginal flange, a second flange within the marginal flange and extending below the same, a tubular cushion located between the overhanging marginal flange and 45 the inner flange, arranged to engage with the mouth of a vessel to which the cover is applied, a conical table provided with a dished upper surface located over the central portion of the cover, and supports attached to the said cover 50 and to the said table, the table being adapted to receive said rib, whereby the cover is locked on said vessel, as and for the purpose specified.

3. The combination with a vessel, and a bail therefor, of a cover fitted to said vessel having tripodal arms thereon, a conical table supported over the center of the cover on said 55 arms and having an upper concave surface, and a one-piece handle mounted to turn on said bail and having a central annular rib 60 formed with a hard outer surface, said rib being arranged to move up the inclined surface of said table and enter upon the concave face thereof when the bail is carried upward, as and for the purpose specified.

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