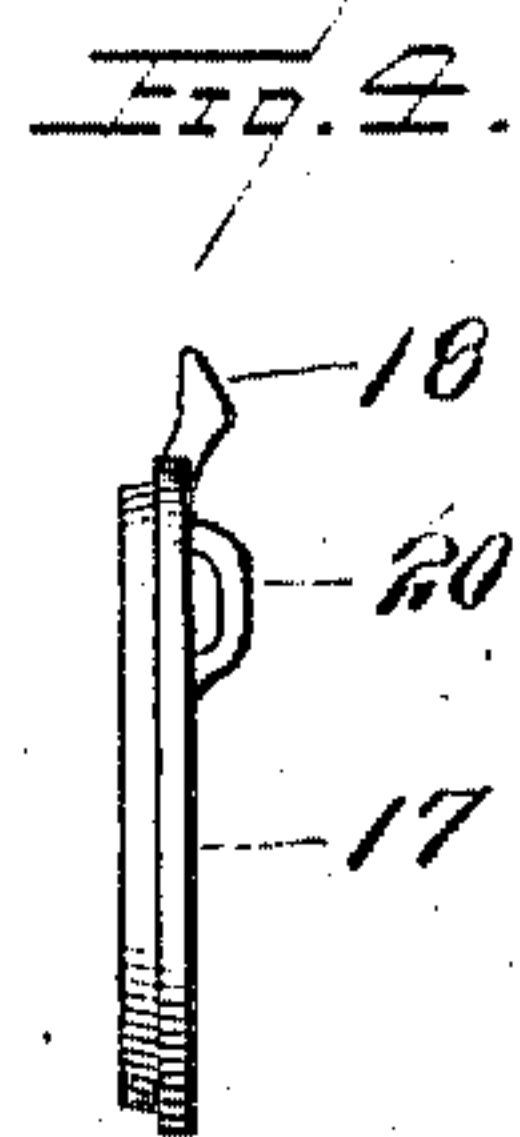
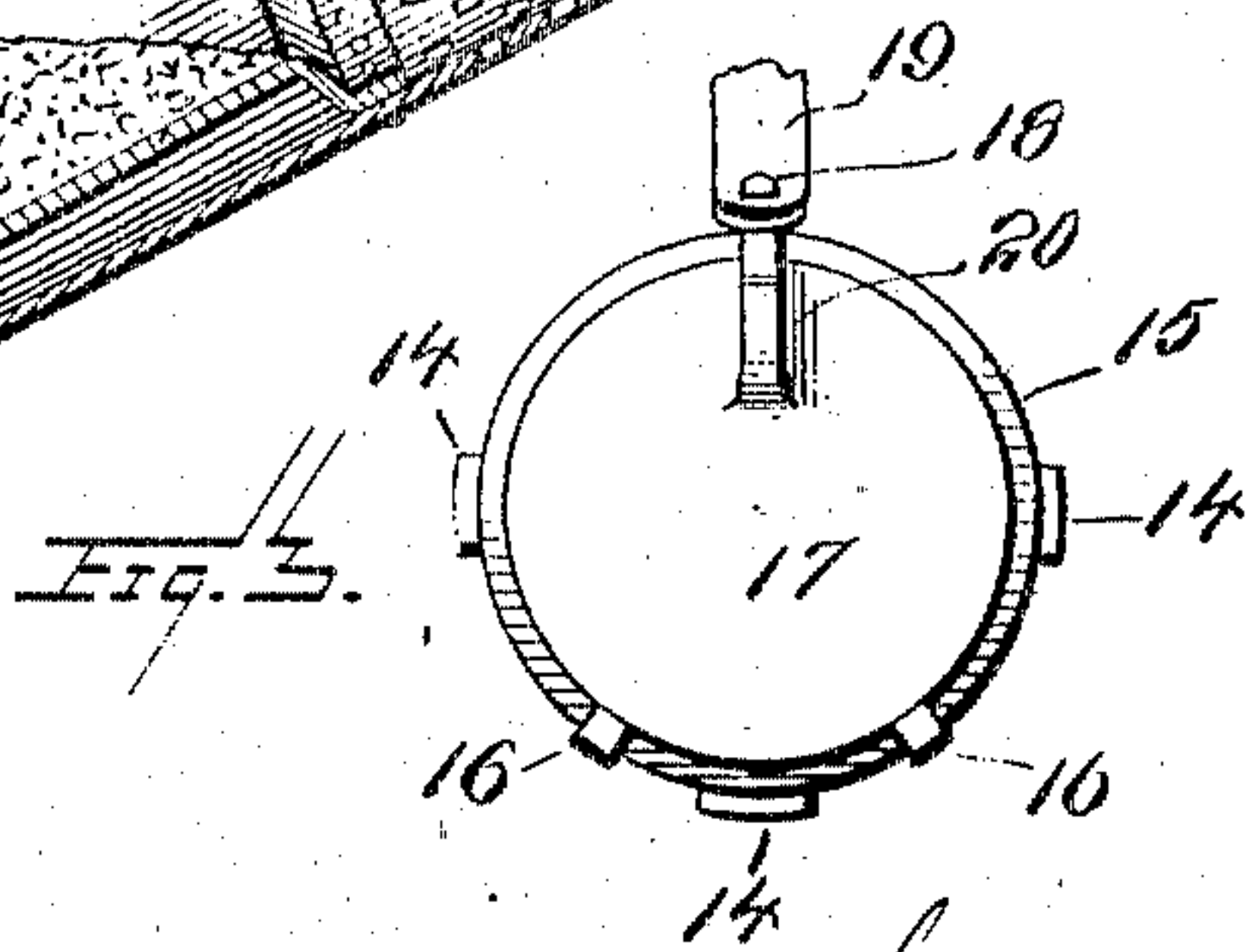
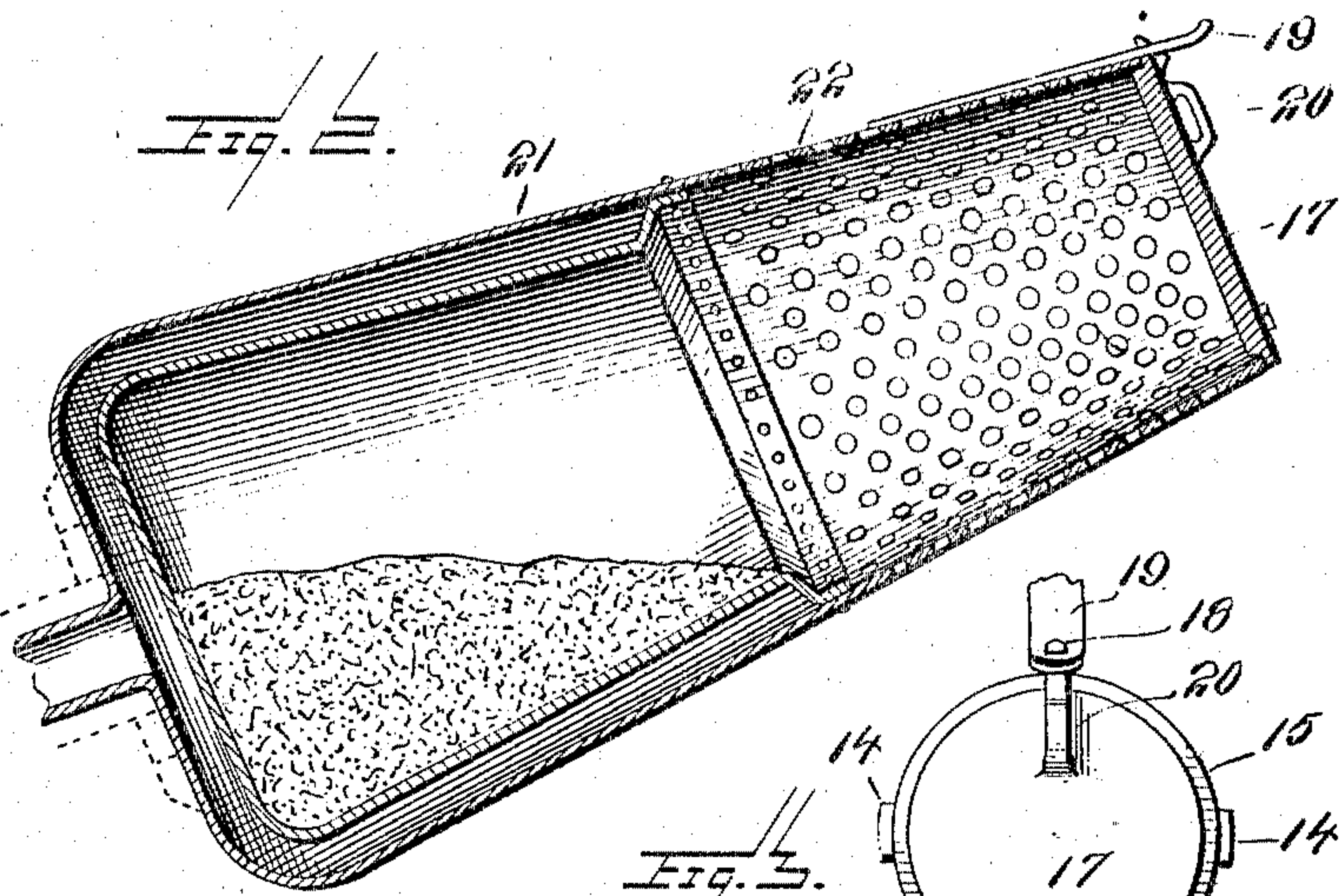
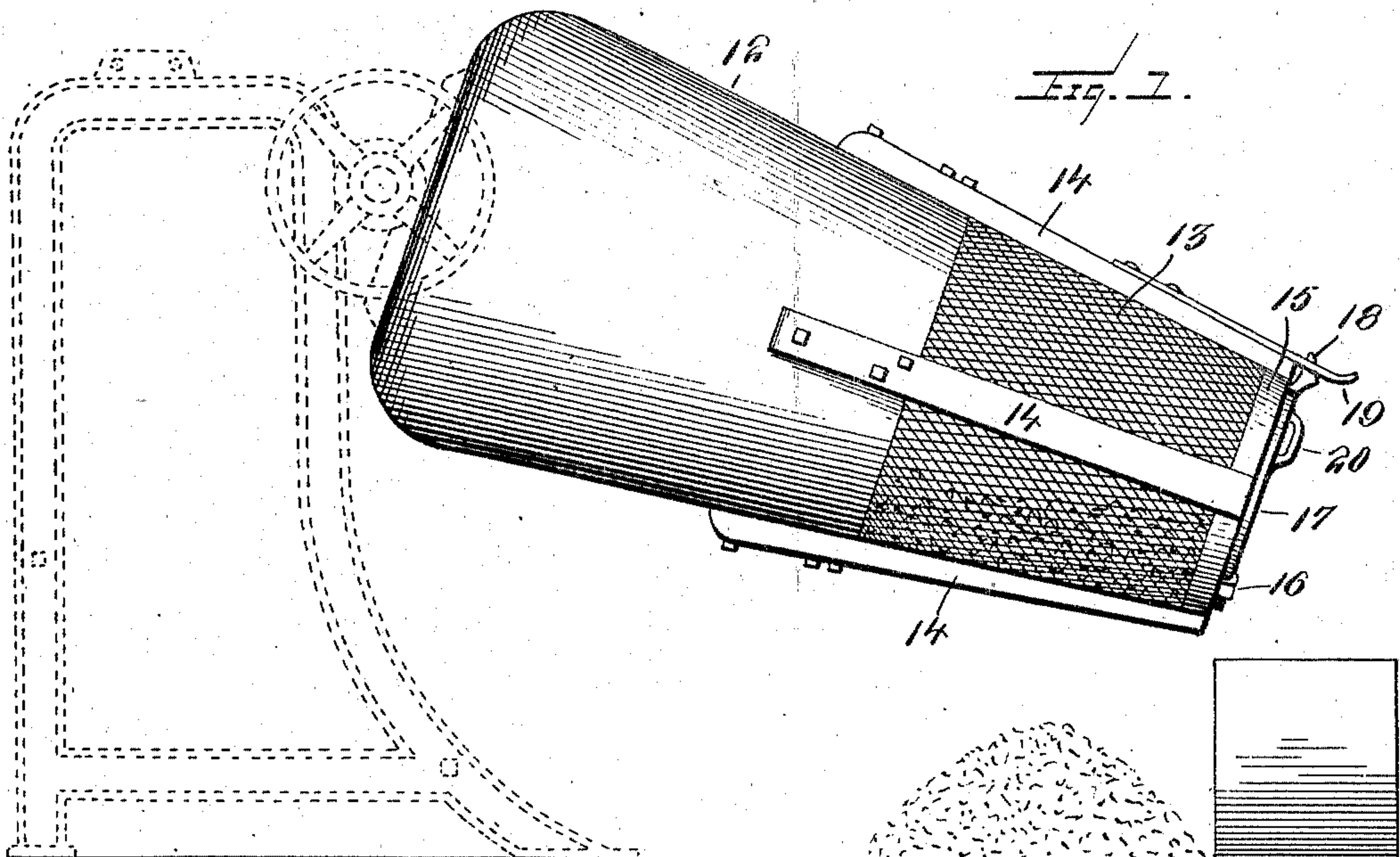


H. M. GREIST
TUMBLING BARREL.
APPLICATION FILED NOV. 27, 1908.

965,813.

Patented July 26, 1910.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HUBERT M. GREIST, OF NEW HAVEN, CONNECTICUT.

TUMBLING-BARREL.

965,813.

Specification of Letters Patent.

Patented July 26, 1910.

Application filed November 27, 1908. Serial No. 464,550.

To all whom it may concern:

Be it known that I, HUBERT M. GREIST, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented or discovered certain new and useful Improvements in Tumbling-Barrels, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to that class of tumbling barrels which are so mounted that they may be adjusted to various positions either for the tumbling operation or for filling and emptying the same; and the invention has for its object to provide tumbling barrels, of the class referred to, with screen sections at their outer ends so that when a tumbling operation is completed the barrel may be tilted over and rotated, while in such position, for the purpose of sifting out the material in which the articles to be cleaned or polished have been tumbled, and when such sifting has been effected the cover of the barrel may be removed and the tumbled articles dumped out in a clean condition, or free of the tumbling material.

In the accompanying drawings Figure 1 is an elevation of a tumbling barrel embodying one form of the invention, and Fig. 2 is a sectional view of a tumbling barrel embodying another form of the invention. Fig. 3 is an end view to show the cover and detail for mounting same, and Fig. 4 is a detail edge view of the cover.

Referring to the drawings, 12 denotes a tumbling barrel, which is of well known form, and which is provided with a screen or foraminous section 13 consisting of somewhat heavy wire mesh mounted on arms 14 bolted to the barrel 12. To the outer end of the section 13 is a ring 15 to which and to the outer end of the imperforate barrel section 12 the wire mesh may be properly attached. The ring 15 is preferably provided with one or more projecting hooks 16 for engagement with the rim of the cover 17, said cover being provided at its upper edge with a pin or projection 18 which may be engaged by a spring hasp 19 riveted to one of the arms 14 of the wire mesh supporting-frame. From this construction it results that the cover 17 may be readily placed in position to close the end of the tumbling barrel, and may be quickly and easily removed, as will be understood, said

cover being preferably provided with a handle 20.

In Fig. 2 the invention is shown as being applied to a jacketed tumbling barrel 21 rotating in a suitable bearing on a hollow axis through which steam may be admitted for the purpose of heating the barrel, such form of tumbling barrel being thus adapted for use as a drying barrel in which articles may be dried in the tumbling material after having been tumbled elsewhere, or in which articles may be tumbled and steam then be admitted for the purpose of drying out the tumbling material and the tumbled articles, after the tumbling operation. In this form of the invention shown in Fig. 2 the outer wall of the barrel is extended beyond the jacketed portion thereof, said extended outer wall 22 being provided with perforations of any suitable size to form a foraminous portion or screen, and this form of the invention is also provided with a removable cover 17 preferably held in place by a spring hasp 19.

The operation of the invention will be readily understood from the foregoing.

When a tumbling barrel embodying the invention is to be used for tumbling it will be placed in the upwardly inclined position shown in Fig. 2, but when a tumbling operation is completed and it is desired to sift out the tumbling material from the work or articles tumbled therein the barrel will be tilted to the downwardly inclined position shown in Fig. 1, and will then be rotated in such position until the sifting operation has been completed, when the cover may be removed and the work or articles tumbled then be dumped into any suitable box or receptacle.

Having thus described my invention I claim and desire to secure by Letters Patent:

A jacketed tumbling barrel mounted on a tilting axis and having its outer wall extended beyond its jacketed portion and provided with perforations or openings to form a screen, said barrel being provided with a removable cover at the outer end of said screen portion.

In testimony whereof I affix my signature, in presence of two witnesses.

HUBERT M. GREIST.

Witnesses:

L. M. FORD,
GEO. H. BEEBE.