

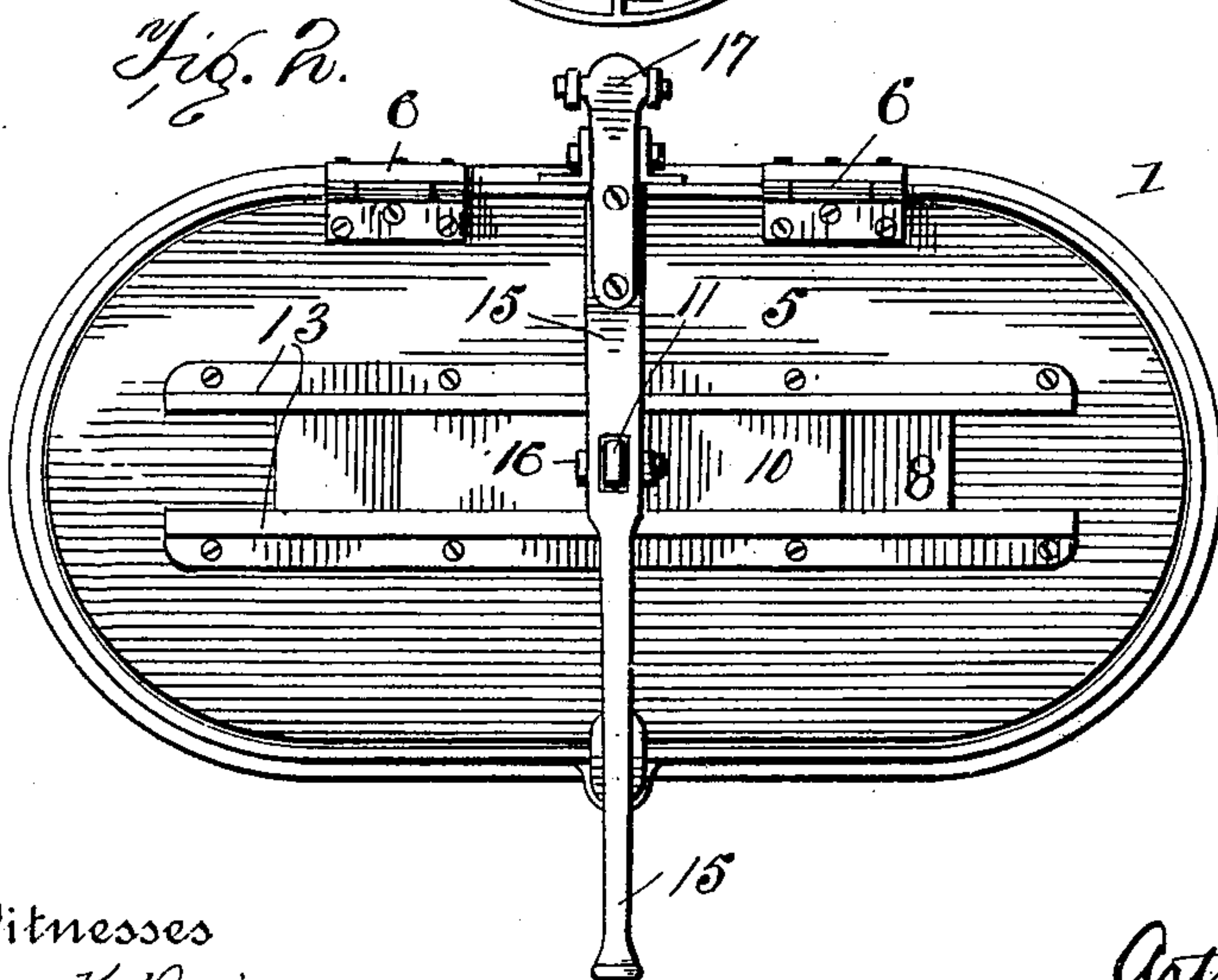
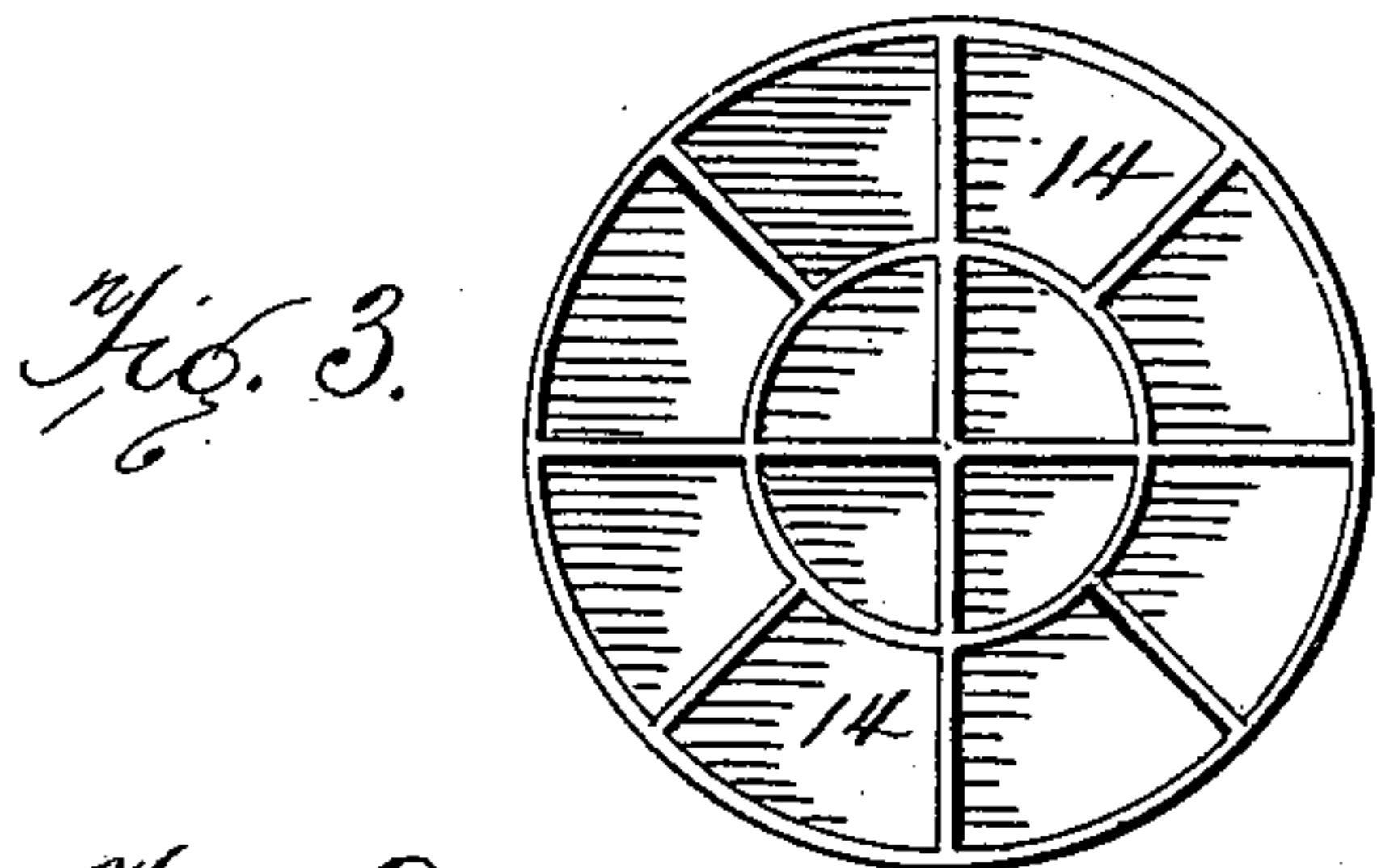
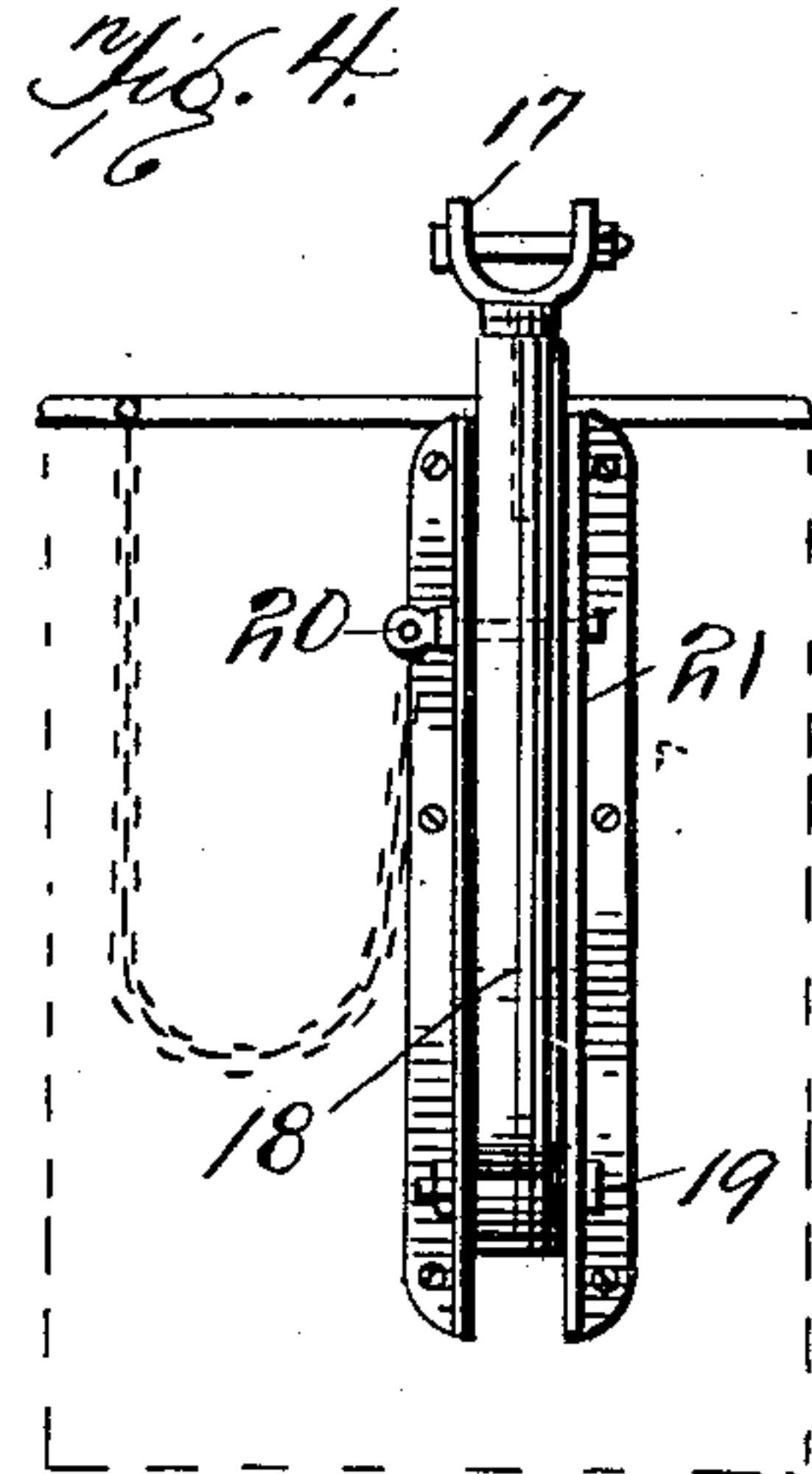
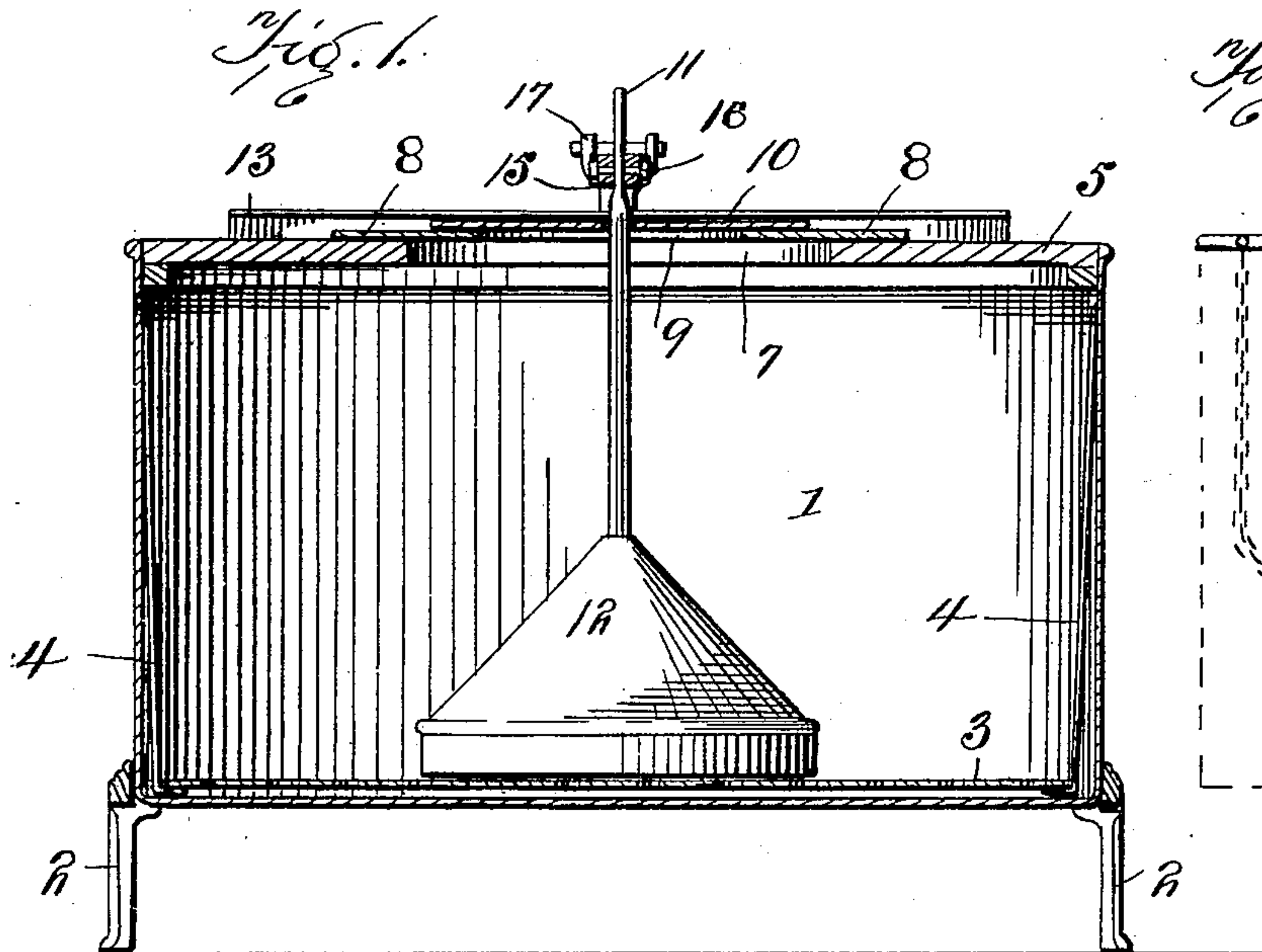
No. 680,598.

Patented Aug. 13, 1901.

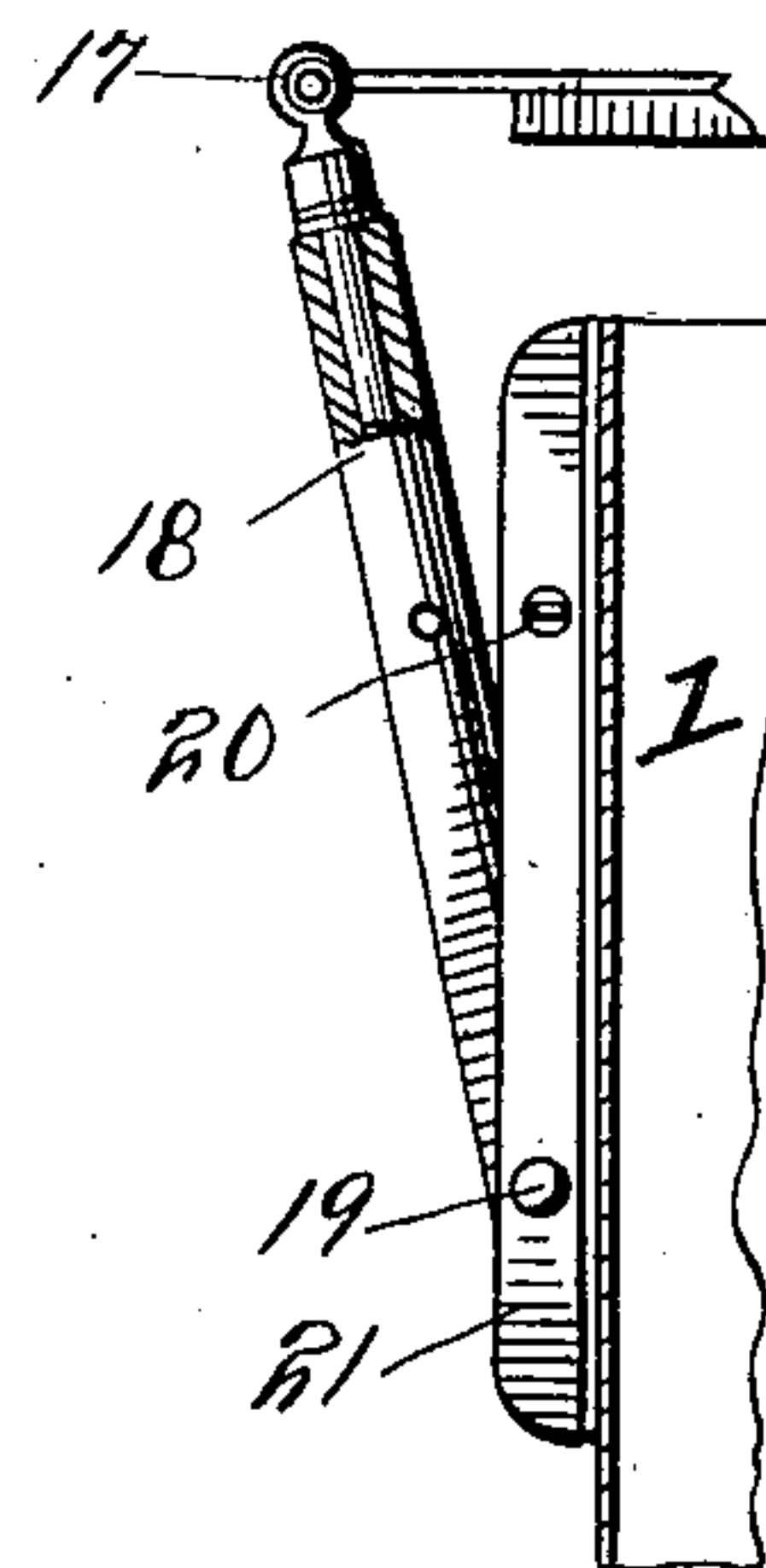
A. W. JONES.  
WASHING MACHINE.

(Application filed May 8, 1901.)

(No Model.)



*Fig. 5.*



Witnesses  
Chas. K. Davies.  
B. C. Tiffany

Inventor  
Arthur W. Jones  
by *Sevelon B. Brock*  
Attorney



# UNITED STATES PATENT OFFICE.

ARTHUR W. JONES, OF WASHINGTON, KANSAS.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 680,598, dated August 13, 1901.

Application filed May 8, 1901. Serial No. 59,211. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR W. JONES, residing in Washington, county of Washington, State of Kansas, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the following is a full and clear description thereof.

My invention relates to washing-machines.

These improvements are more particularly designed for family washing-machines operated by hand-power.

One object of my invention is to provide a washing-machine with a device by which all the clothes therein may be removed bodily at one time.

A further object is to provide the washing-machine with a cellular clothes-pounder combined with an operating mechanism therefor, by means of which both a reciprocating and a lateral movement may be given to the pounder within the tub.

For these purposes my invention consists in the following construction and combination of parts, the details of which will first be described and the novel features thereafter set forth and claimed.

Figure 1 represents a central vertical section of a washing-machine to which I have applied my improvements. Fig. 2 is a top plan view of the same. Fig. 3 is a bottom view of the clothes-pounder. Fig. 4 is a rear elevation of a portion of the operating mechanism; and Fig. 5 is a side elevation and partial section, broken away, of the same.

In the drawings, 1 represents a tub or vessel, which may be of any approved shape or construction.

2 represents a framework, upon which the tub is supported.

3 represents a false bottom covering the entire bottom of the tub 1. It is provided with perforations and handles 4, which extend up along the side of the tub, near the top of the same, whereby all the clothes within the tub may be withdrawn at any time.

5 is a covering of the tub, preferably hinged at 6. This cover has a slot 7 formed therein longitudinally of the cover.

8 is a slide adapted to cover the slot 7, and it is slotted at 9. 10 is another slide mounted upon the slide 8 and having a perforation

therein, through which the shaft 11 of the clothes-pounder 12 works.

13 represents ways or guides within which the slides 8 and 10 reciprocate.

The pounder 12 is provided with cellular depressions 14 upon its under side.

15 is the operating-lever. It is mortised to receive the shaft 11, said shaft being provided with a series of bolt-holes to permit the lever-handle 15 to be adjustably bolted thereto by the bolt 16. The handle 15 is pivoted at 17 by any suitable universal joint, whereby the handle may be moved laterally as well as vertically. The universal joint (shown at 17) consists of a yoke-piece, to which the handle 15 is pivoted, the yoke turning in bearings in the link 18. This link 18 is pivoted at 19 in the rear of the tub 1 and is provided with a pin 20, passing through the guides 21 and the link 18 for the purpose of preventing any movement of the link when desirable. Any other known fastening, however, will answer the purpose.

In the operation of the machine the parts are assembled as shown, the clothes and water are put in the tub, and the lever 15 operated. It will be noticed that the pounder 12 can be lifted above the clothes to any desired extent and at the same time swung laterally in either direction, so as to bring the pounder down upon the clothes within any part of the tub for the purpose of washing the clothes. In the operation of the plunger 12 the shaft 11 passes up and down through the opening in the slide 10, and when the shaft is moved to one side the slide 10 moves with it. In the further lateral movement of the shaft, when it reaches the end of the slot 9, the slide 8 will also reciprocate, thus permitting free lateral as well as vertical movement of the plunger. The pivoted link 18 permits the lateral movement of the plunger by allowing the pivot 17 to approach and recede from the vessel. When it is desired to remove the plunger and the clothes, the cover is thrown up, the link 18 swung outwardly to a sufficient extent to permit the cover 5 to swing into the vertical position, and the plunger 12 is removed from the tub without necessitating the disassembling of any of the parts.

The cover 5 fits the tub 1 fluid-tight. The slides 8 and 10 are also fluid-tight. When the machine is operated, the cover closely confines the steam and heat.

5 What I claim as new, and desire to secure by Letters Patent, is—

In a washing-machine, the combination of a tub, a cover hinged to the tub provided with a slot to receive the plunger-rod and  
10 with ways adjacent to said slot, a slide having a slotted opening moving in said ways over the slot in the cover, a second slide above the first slide moving in said ways and

provided with a bearing to receive the plunger-rod, a link pivoted to the tub near the bot- 15  
tom, a handle pivoted to the link, pivotal connections between the handle and the plunger-shaft, and a universal joint between the link and the handle, substantially as set forth.

In testimony whereof I have affixed my signature in the presence of two witnesses. 20

ARTHUR W. JONES.

Witnesses:

A. D. STANTON,  
E. A. TROXEL.