

No. 663,543.

Patented Dec. 11, 1900.

W. H. HEYBECK.

DRUM ROD.

(Application filed July 11, 1900.)

(No Model.)

Fig. 1.

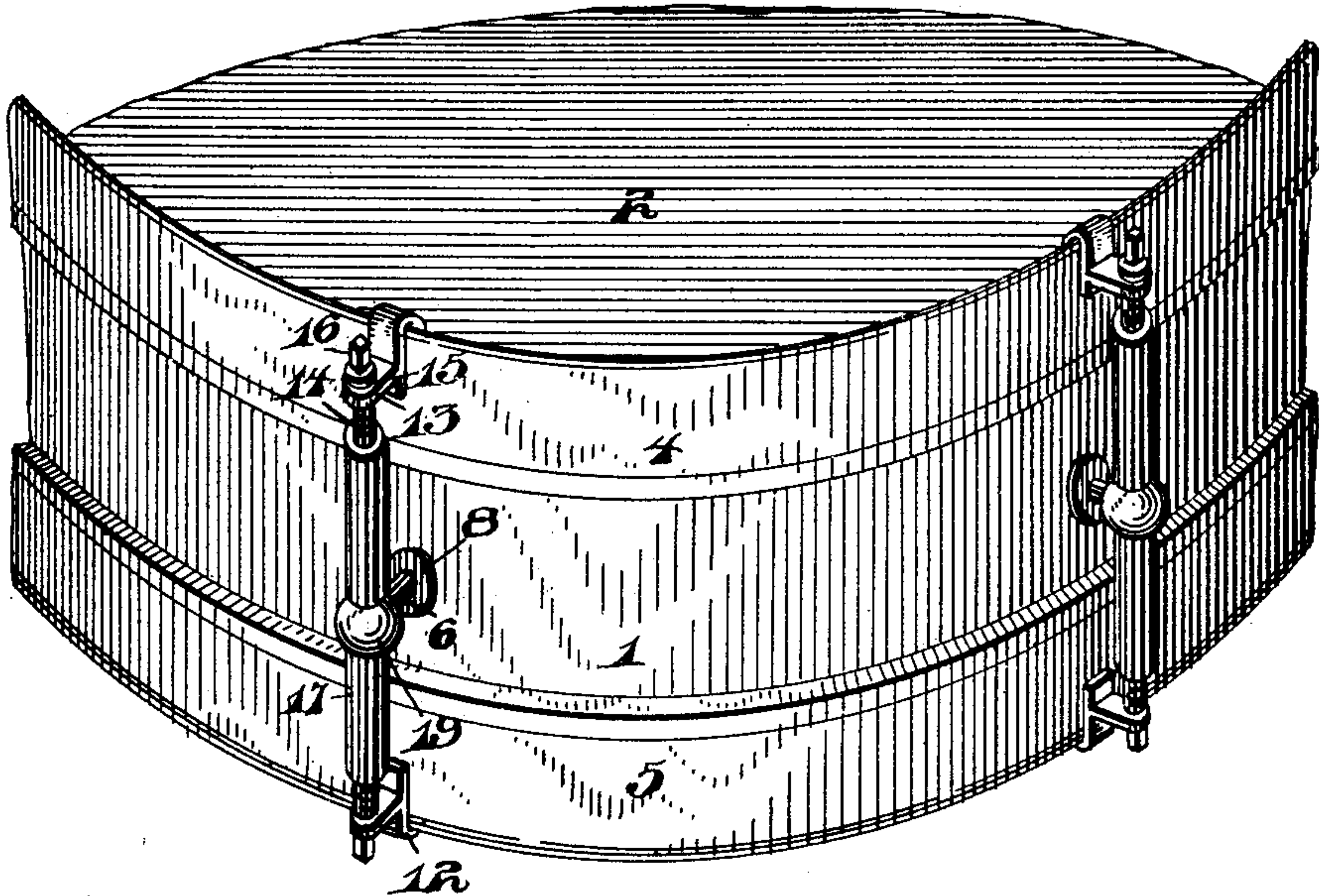


Fig. 2.

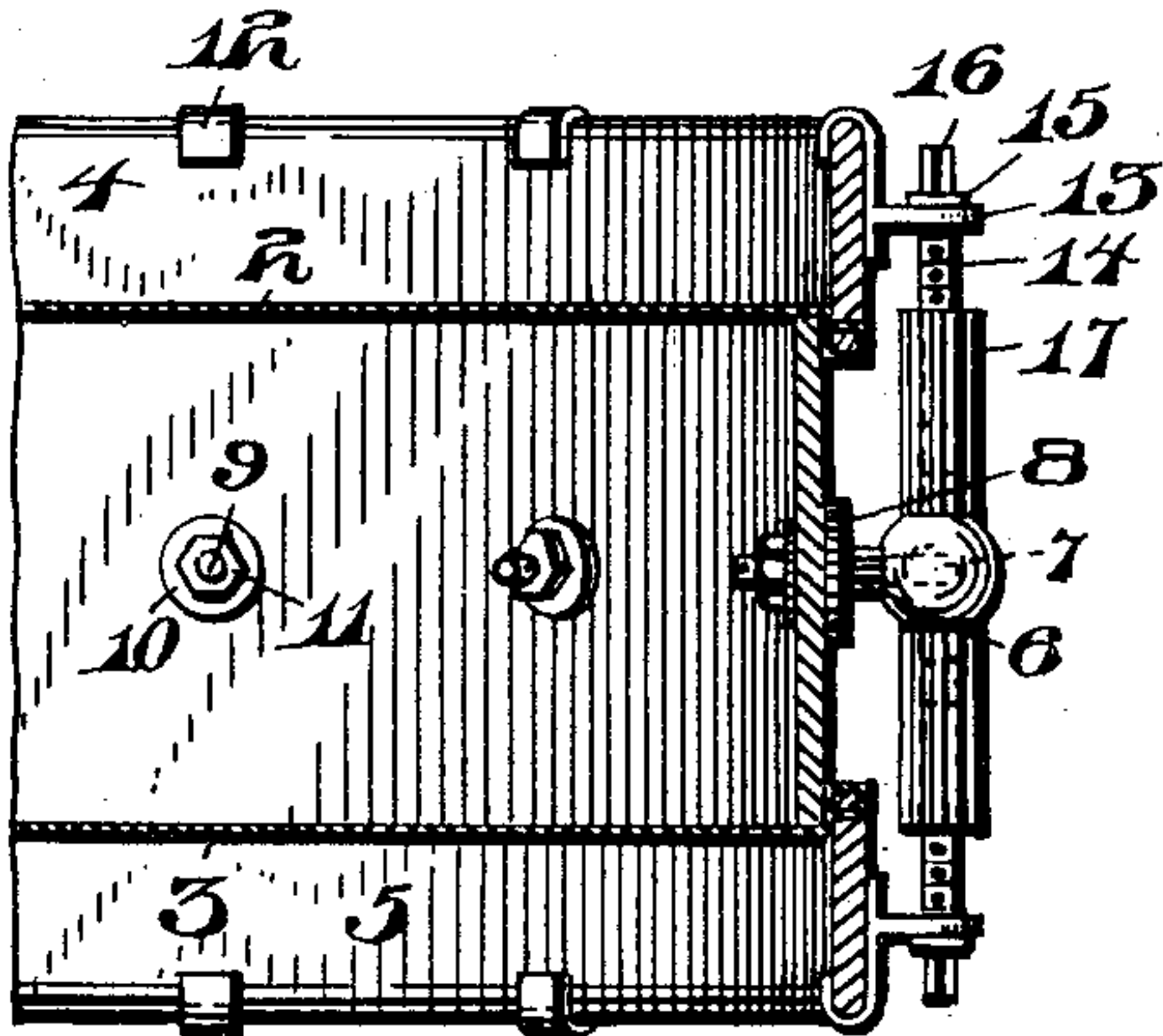


Fig. 3.

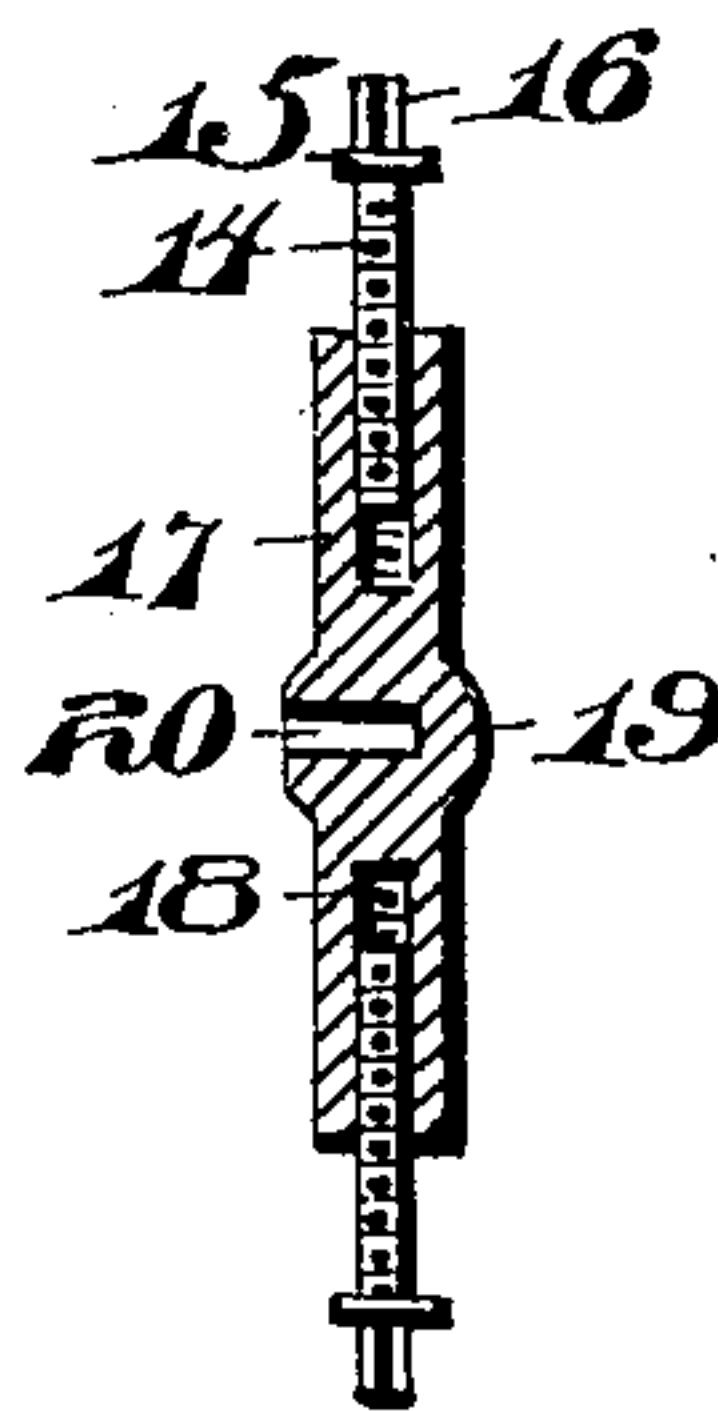
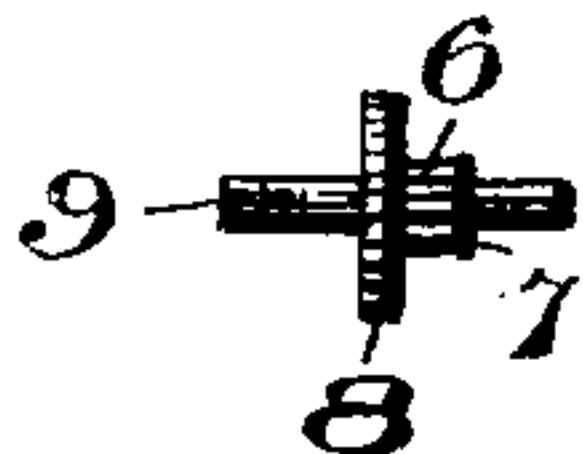


Fig. 4.



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UNITED STATES PATENT OFFICE.

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DRUM-ROD.

SPECIFICATION forming part of Letters Patent No. 663,543, dated December 11, 1900.

Application filed July 11, 1900. Serial No. 23,235. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. HEYBECK, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Drum-Rods, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in drum-rods, and more particularly to adjustable drum-rods.

The invention aims to construct a drum-rod which when broken can be readily re-
15 moved and a new one attached to a drum-body without the displacement of the other rods connected thereto, thus overcoming such objectionable feature heretofore existing during the replacement of a single rod; further-
20 more, constructing a drum-rod of increased strength to prevent the bending or possible breaking of the same when adjusting, yet more simple in construction than the majority of rods now in general use. Therefore the
25 invention aims to construct a rod which shall be extremely simple in construction, strong, durable, efficient in its operation, and comparatively inexpensive to manufacture.

30 With the above and other objects in view the invention finally consists in the novel combination and arrangement of parts to be hereinafter more fully described, and specifically pointed out in the claim.

35 In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate corresponding parts throughout the several views, in which—

40 Figure 1 is a perspective view of a portion of a drum, showing my improved drum-rod connected thereto. Fig. 2 is a cross-sectional view of a drum, partly broken away, showing my improved rod connected thereto. Fig. 3
45 is a vertical sectional view of my improved drum-rod. Fig. 4 is a side view of the supporting-pin for the rod.

Referring to the drawings by reference-numerals, 1 indicates the body of a drum; 2, the
50 head; 3, the bottom, and 4 and 5 the upper and lower bands, respectively.

The body portion 1 of the drum is formed

with a series of openings in which is mounted a supporting-pin 6, which is of two different diameters, forming a shoulder 7, and provided
55 with a stop-disk 8 and screw-threaded shank 9, the latter adapted to have mounted thereon a washer 10 and a securing-nut 11. Connected to the top and bottom bands 4 and 5, respectively, is a series of clamps 12, each pro-
60 vided with an outwardly-extending bracket 13, through which operates an adjusting-screw 14, which is provided with a stop 15 and a squared outer end 16 to receive a key
65 for operating the screw. The clamps are adapted to be arranged in pairs—that is, the clamp upon the upper band in alinement with the clamp upon the lower band.

The reference-numeral 17 indicates the drum-rod, which is constructed of a suitable
70 piece of metal cylindrical in cross-section and has each end thereof tapped and screw-threaded, as at 18, in which operates the end of the adjusting-screw 14. The rod is swelled centrally, as at 19, and provided with
75 a recess at this portion, as at 20, in which is seated the end of the supporting-pin 6. The rod rests upon the shoulder 7 of the pin when the former is in position.

The rod is set up in the following manner: 80 Assuming that the body portion has been provided with a series of supporting-pins, the rod is then mounted thereon by the insertion of the end of the pin in the recess 20 of the rod. Of course it will be assumed that the clamps
85 and adjusting-screw have been arranged in position. The screws are then forced into the tapped end of the rod and adjusted to the proper position by means of a suitable key engaging the squared end 16 of the screw. 90

By this construction the rod, if bent or broken, can be readily removed without the displacement of the other rods surrounding the drum-body, and it is thought the many advantages of my improved rod can be readily
95 understood from the foregoing description, taken in connection with the accompanying drawings, and it will be noted that various changes may be made in the details of construction without departing from the general
100 spirit of my invention.

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

In combination with a drum, supporting-
pins having threaded shanks passed through
the drum-body; said shanks having disks fit-
ting against the outer surface of the body and
5 acting as stops, nuts threaded on the shanks
for binding the pins in position, said shanks
having formed thereon the shoulders 7, drum-
rods having apertures in their longitudinal
centers for the reception of the supporting-
10 pins, and threaded holes in each end; clamps
engaging the bands of the drum and having

brackets with holes in alinement with those
of the rods, and adjusting-screws rotatable in
the brackets and threaded in the drum-rods
as and for the purpose described. 15

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

WILLIAM H. HEYBECK.

Witnesses:

JOHN NOLAND,
H. C. EVERT.