

No. 660,022

Patented Oct. 16, 1900.

H. M. McCASKILL.
SAWMILL ATTACHMENT.
(Application filed Mar. 7, 1900.)

(No Model.)

Fig. 1.

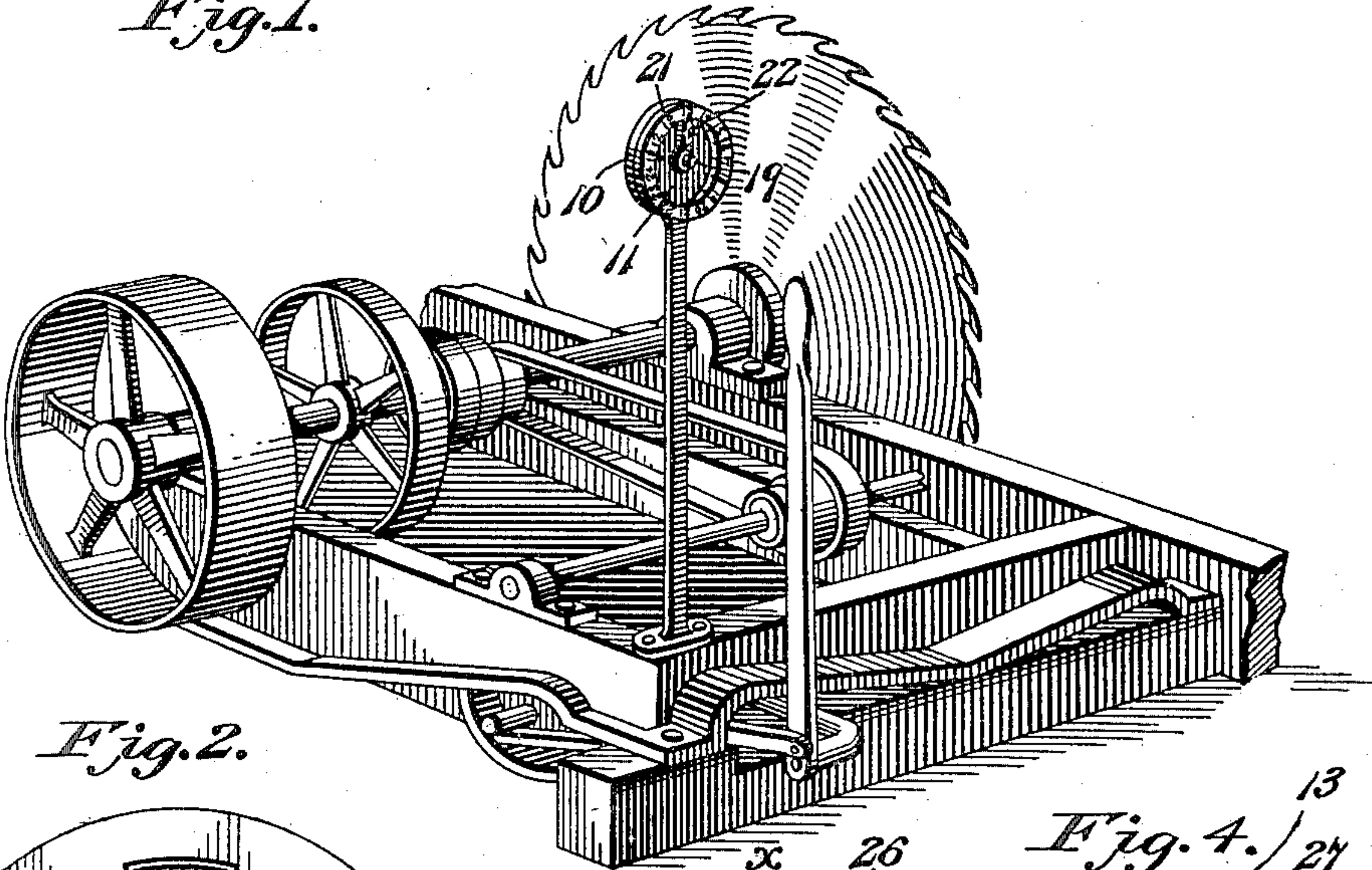


Fig. 2.

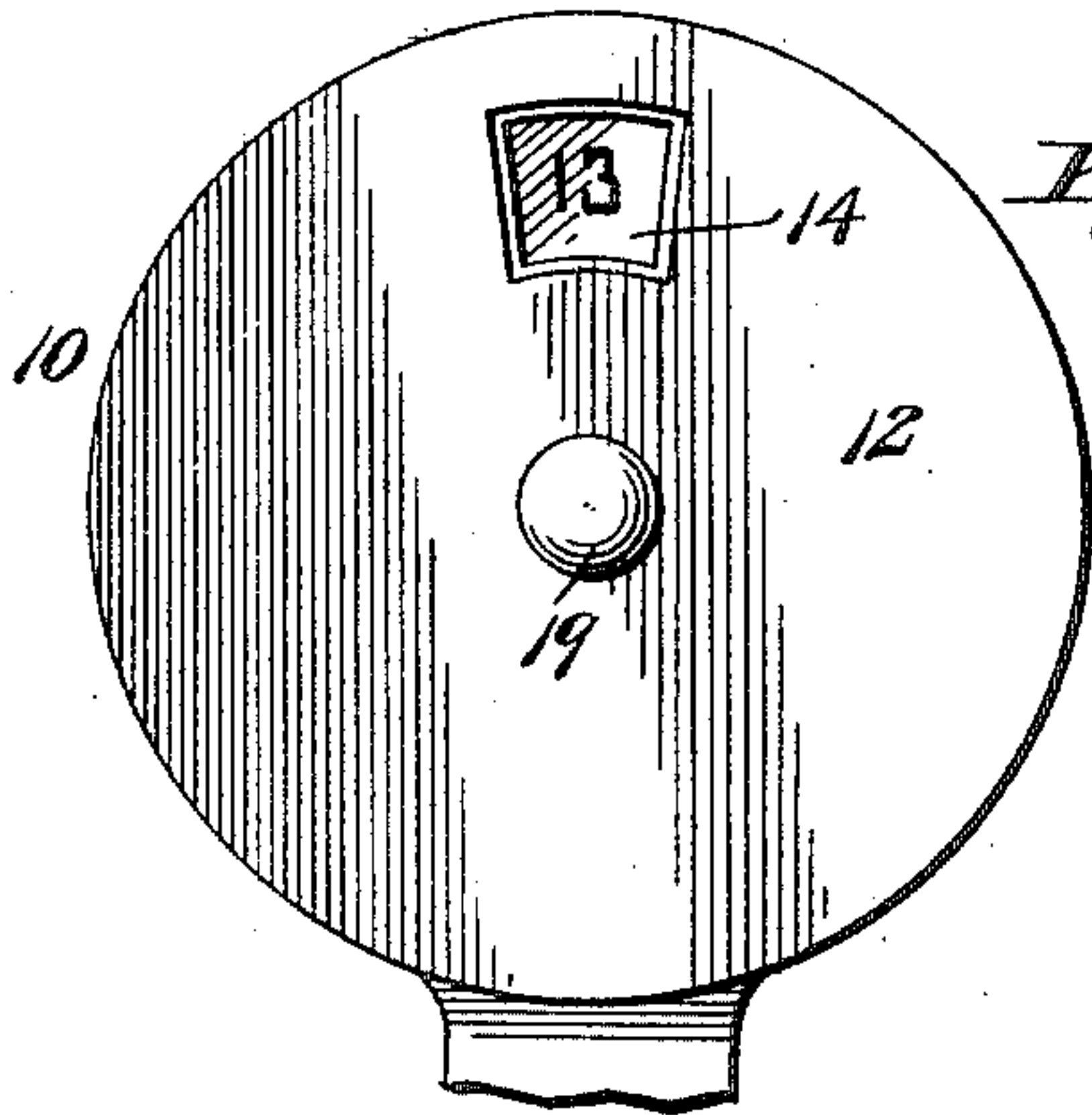


Fig. 3.

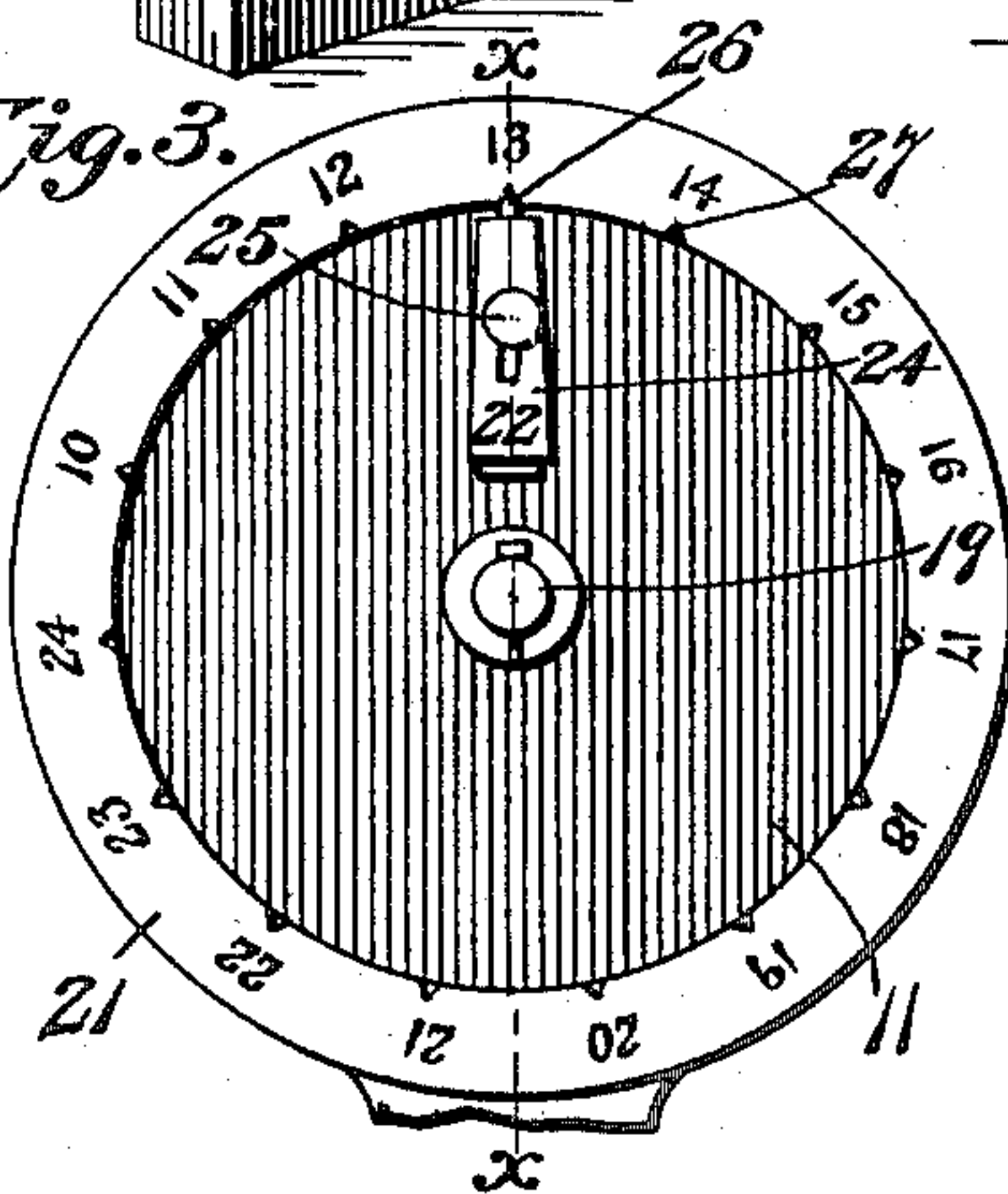


Fig. 4.

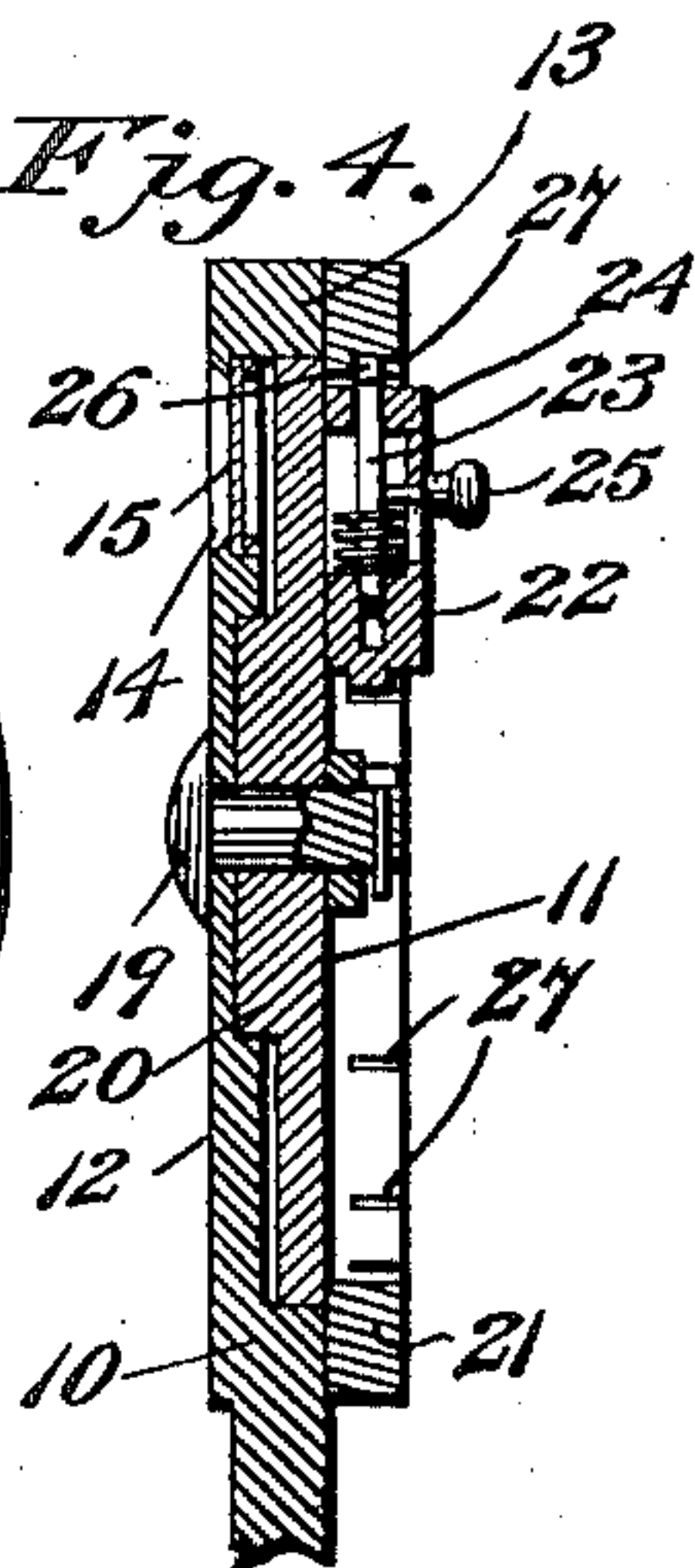


Fig. 5.

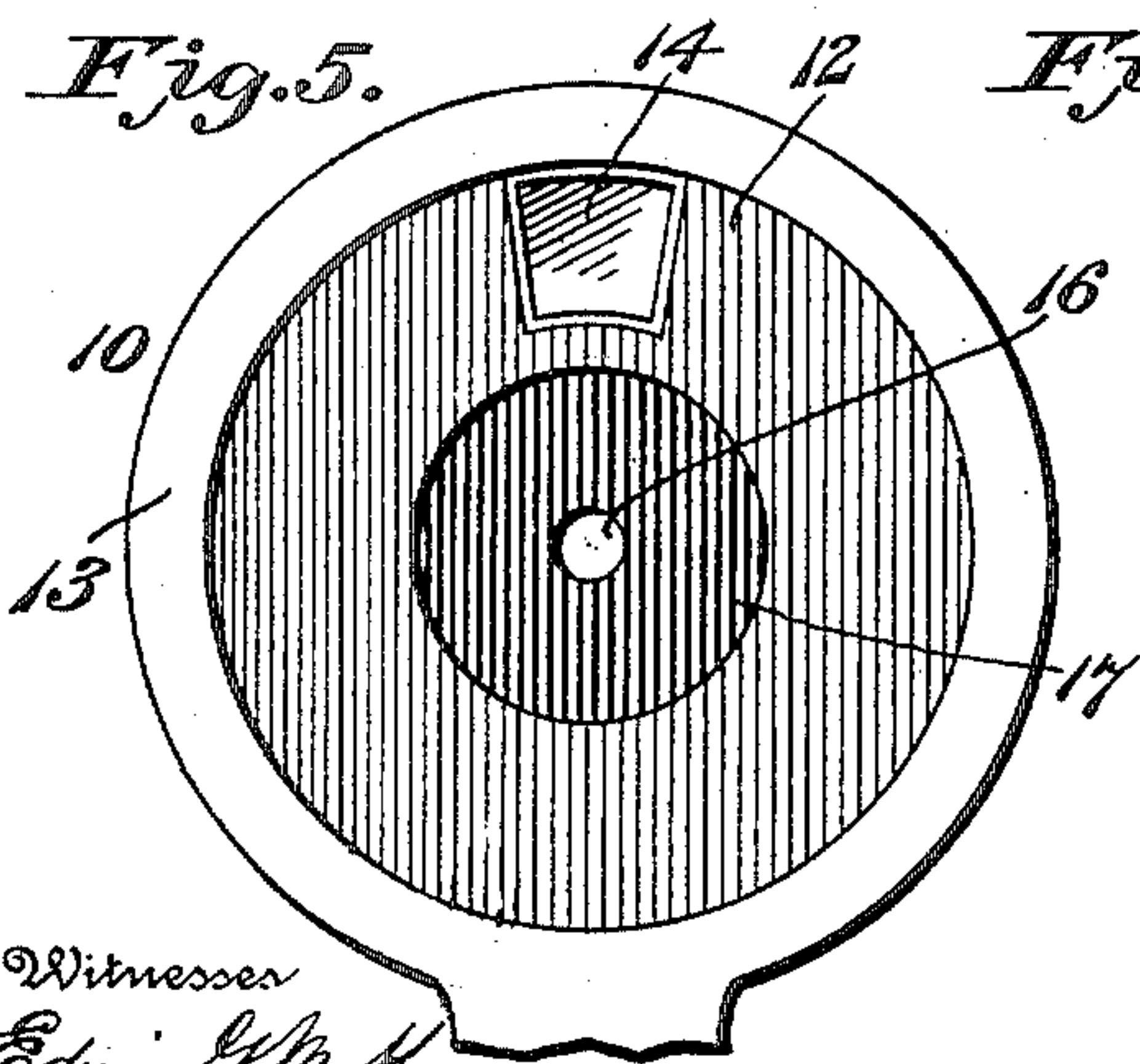
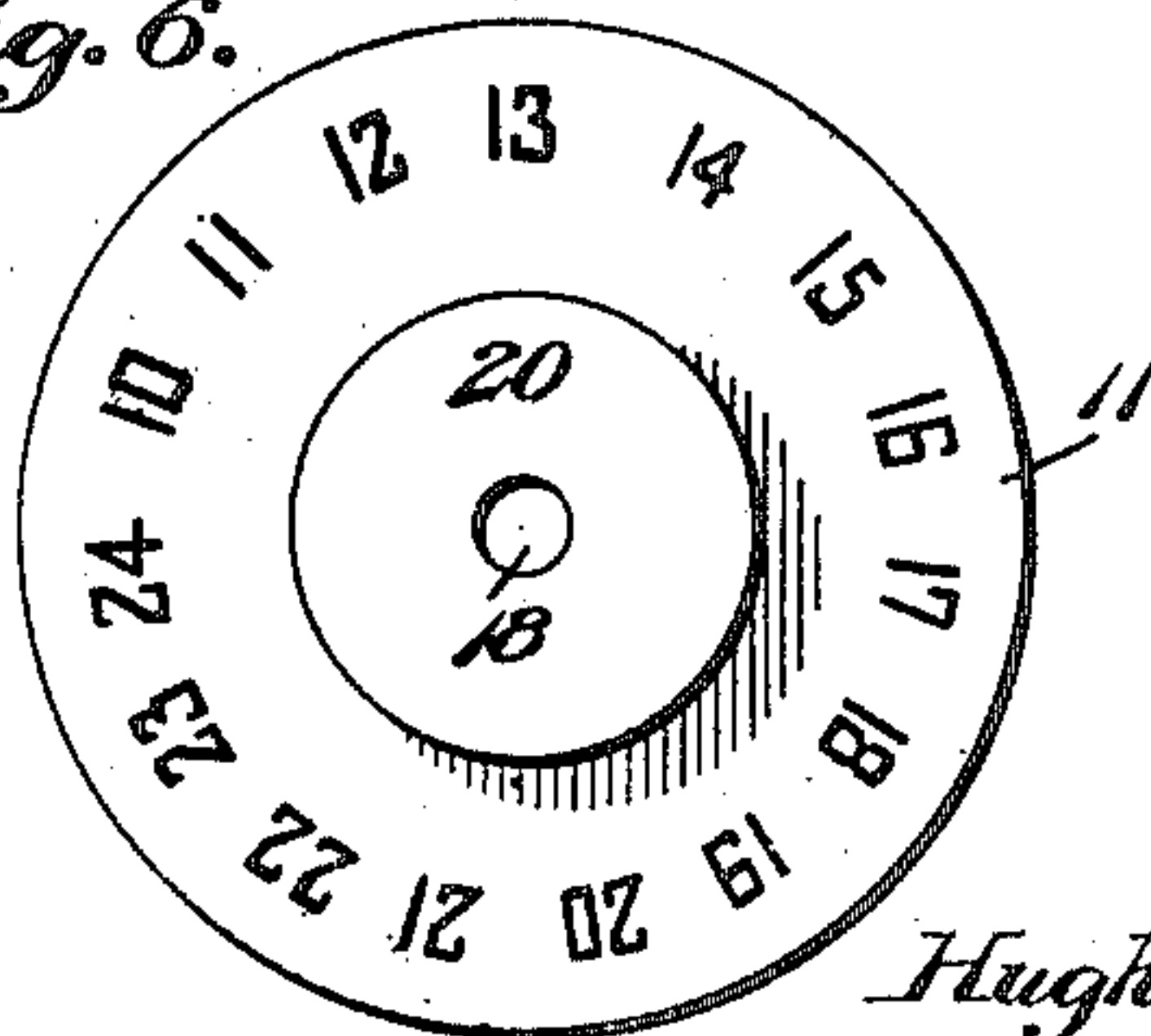


Fig. 6.



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Witnesses
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UNITED STATES PATENT OFFICE.

HUGH M. McCASKILL, OF ANTLER, NORTH CAROLINA, ASSIGNOR OF ONE-HALF TO JOHN W. McCASKILL, OF SAME PLACE.

SAWMILL ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 660,022, dated October 16, 1900.

Application filed March 7, 1900. Serial No. 7,701. (No model.)

To all whom it may concern:

Be it known that I, HUGH M. McCASKILL, a citizen of the United States, residing at Antler, in the county of Moore and State of North Carolina, have invented a new and useful Sawmill Attachment, of which the following is a specification.

This invention relates to indicators; and the primary object is to provide a device of this character particularly adapted for use in connection with a sawing-machine, whereby the operator of such machine may indicate to the person who receives the lumber, after it passes through, the lengths into which such lumber is to be cut.

Heretofore it has been the custom of the operator to call out to the assistant who receives the lumber cut by the machine the lengths into which such lumber is to be cut. On account of the noise made by the machinery the instructions are often misunderstood and mistakes made, causing serious loss. These difficulties are entirely avoided by means of this device, which is arranged conveniently to the operator of the machine and will clearly indicate to the assistant the lengths into which the operator desires the lumber to be cut.

The preferred construction of my invention is described in the following specification and shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a portion of a sawing-machine, showing the indicator applied thereto. Fig. 2 is an elevation of the obverse side of the indicator. Fig. 3 is an elevation of the reverse side. Fig. 4 is a vertical section on the line X X of Fig. 3. Fig. 5 is a side elevation of the reverse side of the casing with the rotary indicator-disk removed. Fig. 6 is a side elevation of the obverse side of the indicator-disk.

Like reference-numerals refer to like parts throughout the several figures.

As shown in the drawings, the indicator comprises two parts—a circular casing 10 and a rotatable indicator-disk 11. The casing 10 comprises a face-plate 12, which is flat on its outer surface and is provided on its opposite side with an annular peripheral rim or flange 13. Formed in the upper portion of the face-

plate is an opening or window 14, which is covered by a glass or similar transparent substance 15. The face-plate is further provided with a central bolt-opening 16, around which on the inner side is the circular depression or socket 17. Projecting from the lower edge of the casing 10 is a supporting-staff, by means of which the device may be fastened in a vertical position to the frame of a sawing-machine. As shown in Fig. 1 of the drawings, the indicator is supported by the staff in a convenient position to the operator near the operating-levers of the machine.

Rotatably mounted in the casing 10 is the indicator-disk 11, which fits loosely within the annular peripheral flange 13, the exposed side of said disk being flat and flush with the face of the flange. The disk 11 is also provided with a central bolt-opening 18, which alines with the opening 16 of the casing. Through the two openings 16 and 18 passes the headed bolt 19, by means of which the disk is rotatably mounted upon the casing 10. Upon one face of the disk around the central opening 18 is provided the circular boss 20, that fits in the socket 17 of the casing, and said boss is slightly thicker than the depth of the socket 17, so that when in position the inner face of the disk is held away from the adjacent face of the casing. This inner face of the disk is provided near the outer edge with an annular series of indicating characters, preferably figures, arranged in such a manner that when the disk is rotated the characters will pass in succession behind the window 14, only one character being visible at a time through said window. Fastened to one side of the flange 13 is the annular retaining-ring 21, the inner edge of which projects over the edge of the disk 11, and thereby assists in holding said disk in place and prevents its wobbling. The face of this ring is provided with a series of characters similar to that on the disk, and so arranged that when the pointer 22, which is carried on the outer face of the disk 11, is fixed at one of the characters on the retaining-ring a similar character will be displayed through the window 14 of the casing.

The pointer 22 comprises a spring-pressed

locking-bolt 23, which is mounted in a suitable casing 24 and provided with an operating finger-piece 25, by means of which the disk 11 may also be rotated when the bolt is in a retracted position. The end 26 of the bolt is beveled and engages in notches 27, arranged around the inner edge of the retaining-ring, one notch being arranged directly under each of the indicating characters. By these means the disk is held securely at the desired character and will not be accidentally displaced by the jar of the machinery.

In the applied position the outer face of the casing, which is provided with the window, is arranged toward the assistant, who receives the lumber and cuts it into lengths. In operation if, for instance, the operator desires the lumber cut in lengths of thirteen feet he moves the pointer 22 around until the end of the bolt engages in the notch directly under that number, whereupon the number "13" will be displayed to the assistant through the window 14.

It will thus be seen that this construction affords an efficient device that will indicate to the workmen the length into which the lumber is to be cut. Furthermore, when adjusted the indicator-disk is not liable to be accidentally displaced by the jar of the machinery. A still further advantage lies in the construction of the indicator-disk, whereby that portion carrying the display characters is held away from the inner face of the casing, thus preventing the rubbing or erasing of said characters by the rotation of the indicator-disk.

It is to be understood that this invention is not to be limited to use in sawmills only, as it is evident that it may be used with equal advantage in a variety of other ways. Nor is the invention to be limited to the exact construction shown, as changes in the form, proportion, size, and minor details of construction may be resorted to within the scope of the appended claims without departing from or sacrificing any of the advantages of the invention.

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

1. In an indicator, the combination with

a stationary member having an opening, of a movable member mounted upon the stationary member and carrying a plurality of display characters adapted to be exposed through said opening, said stationary member being also provided with a projecting rim, one edge of which has series of locking-notches, and a locking device carried by the movable member and adapted to engage said notches, said locking device forming an operating-handle for the movable member, substantially as described.

2. In an indicator, the combination with a casing having an opening, of an indicator-disk rotatably mounted in said casing and carrying a series of indicating characters adapted to be exposed through the opening in the casing, a retaining-ring arranged at one side of the casing and projecting over the edge of the indicator-disk, said ring carrying a series of indicating characters, and a pointer carried by the indicator-disk, said pointer having means for locking the indicator-disk at any display character desired, substantially as described.

3. In an indicator, the combination with a casing provided with an opening having an annular ring, of a supporting-staff for said casing, an indicator-disk rotatably mounted within said casing and carrying a series of indicating characters upon its inner face, said characters being adapted to be exposed through the casing-opening, means for holding the face of the indicator-disk carrying said display characters away from the adjacent face of the casing, a retaining-ring fastened to the annular rim and projecting over the edge of the indicator-disk, said retaining-ring carrying a series of display characters and having a series of notches corresponding in number to the display characters, and a spring-pressed bolt, carried by the indicator-disk and adapted to lock in the notches of the retaining-ring, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HUGH M. MCCASKILL.

Witnesses:

JOHN W. MCCASKILL,
W. A. MILLS.