

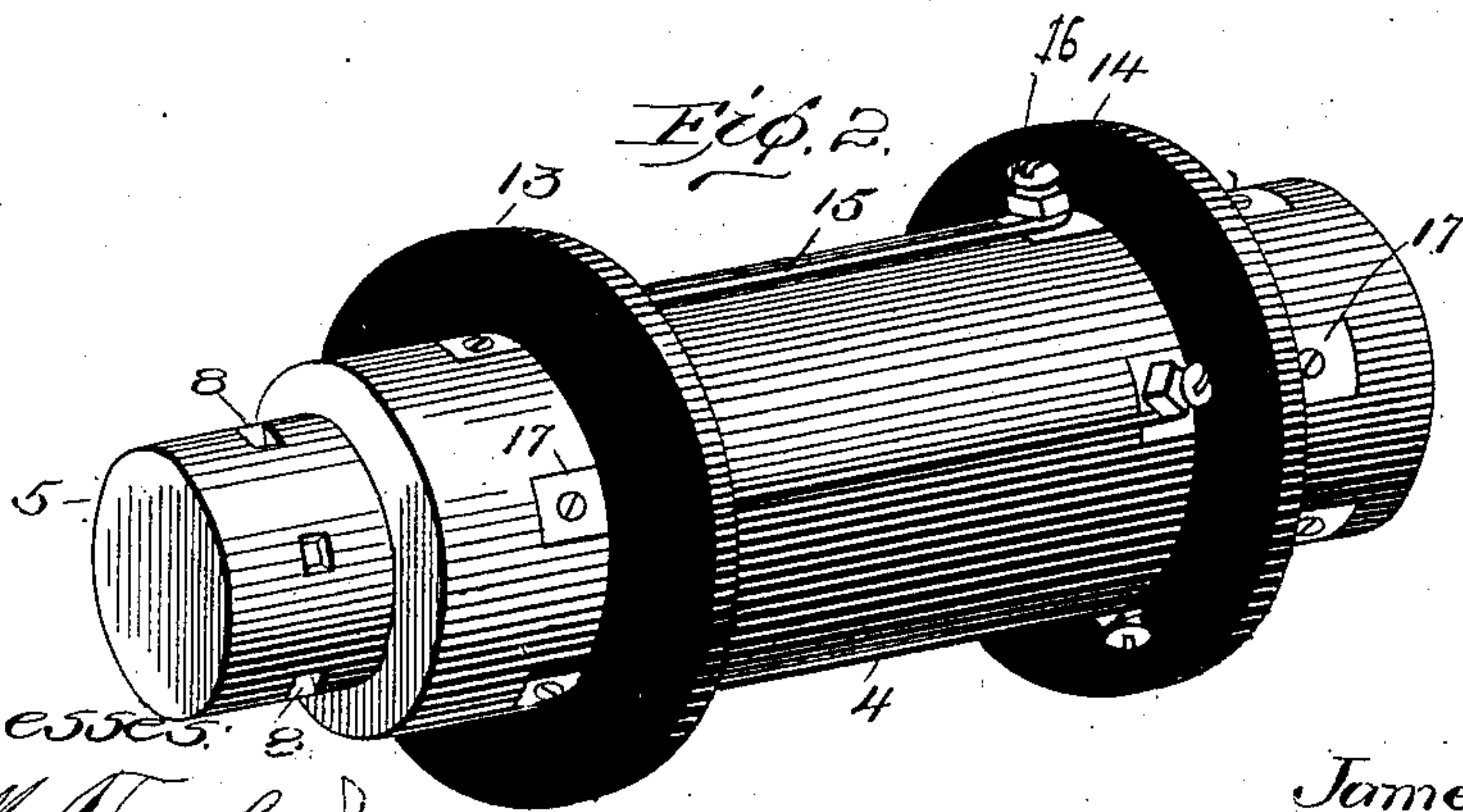
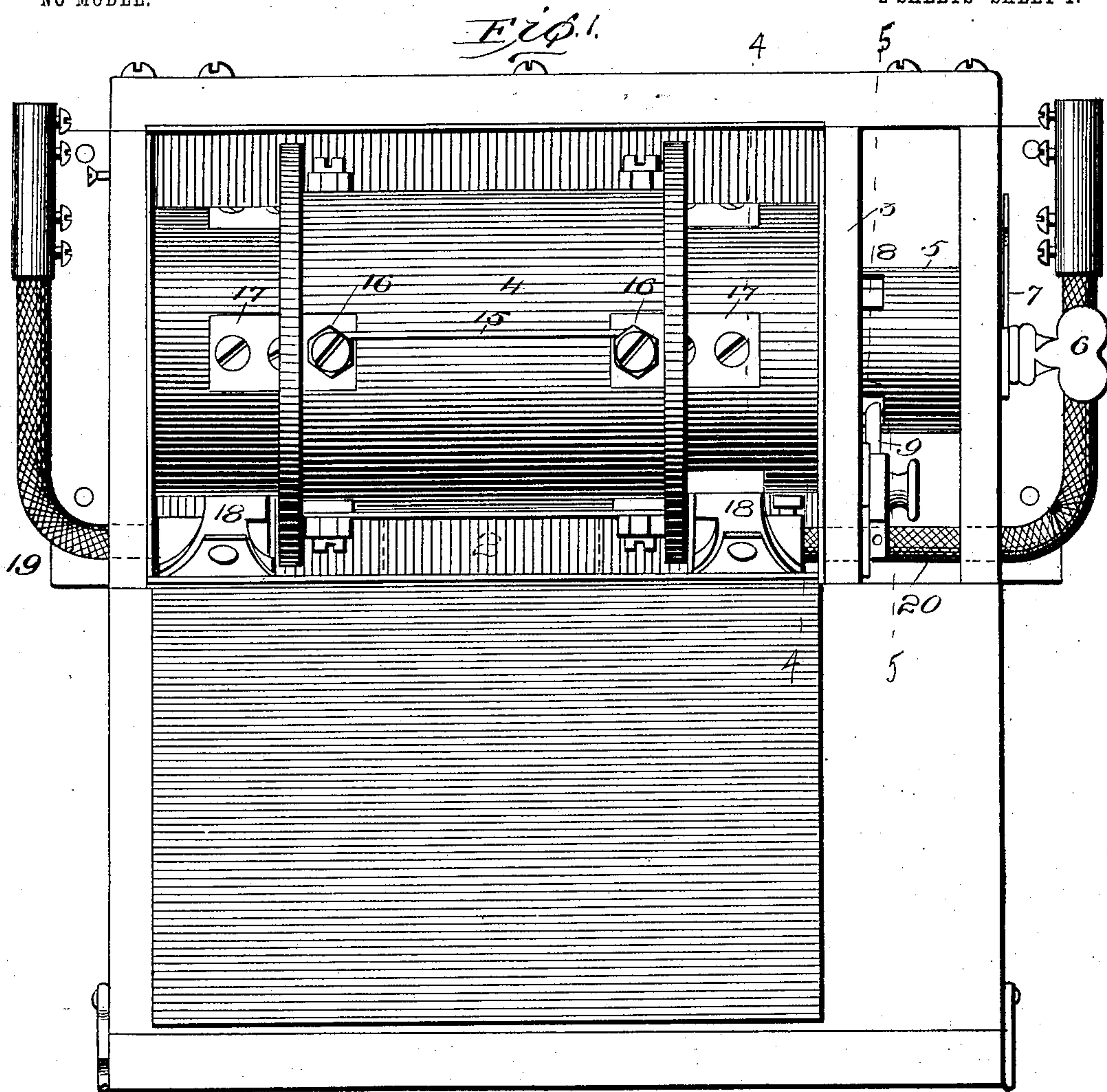
J. K. MORGAN.

FUSE BOX.

APPLICATION FILED APR. 7, 1902.

NO MODEL.

2 SHEETS—SHEET 1.



witnesses:

J. M. Fowler  
J. T. Crane

Inventor:  
James K. Morgan  
By J. W. Cleary  
Att'y.

No. 721,217.

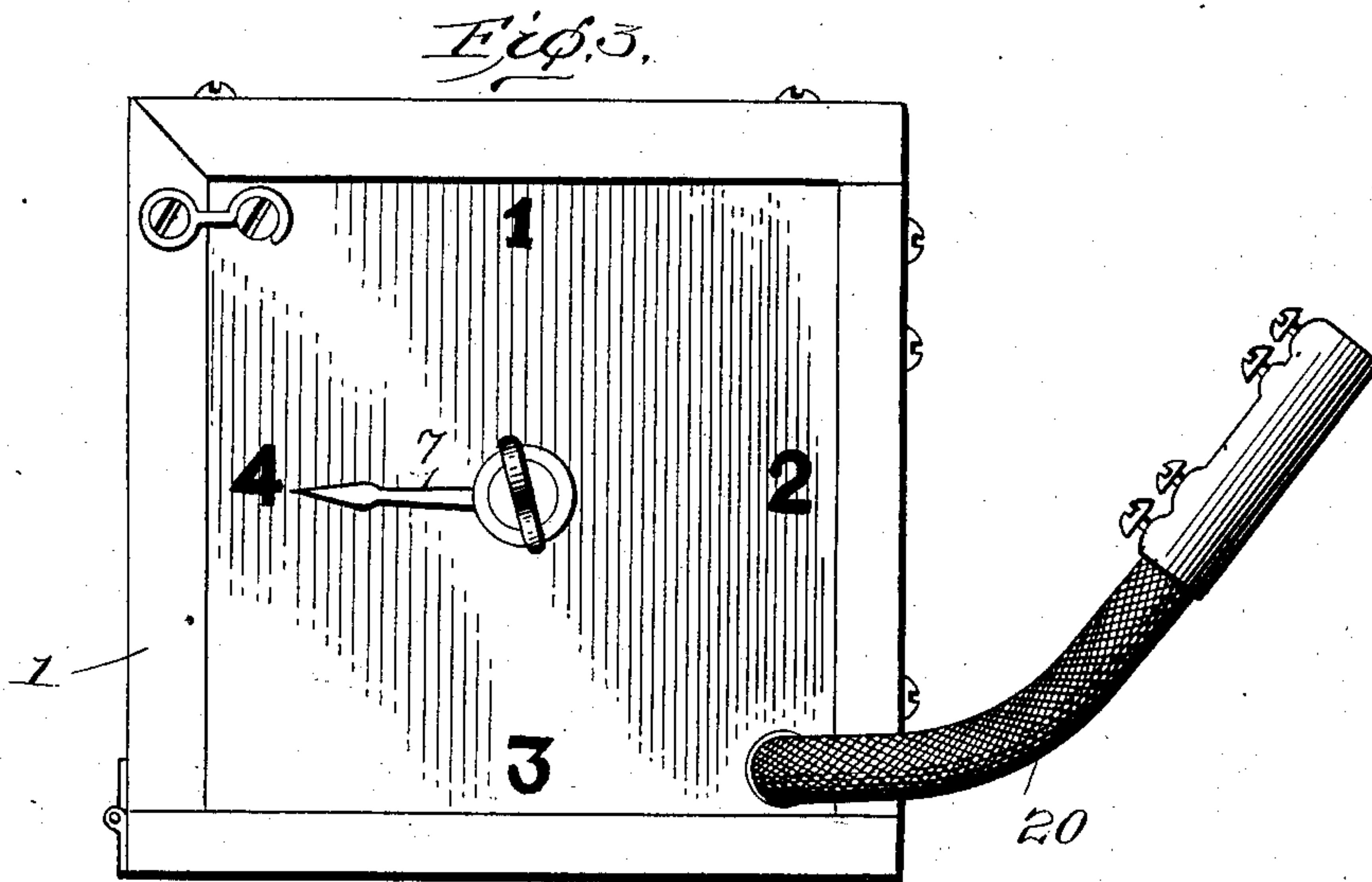
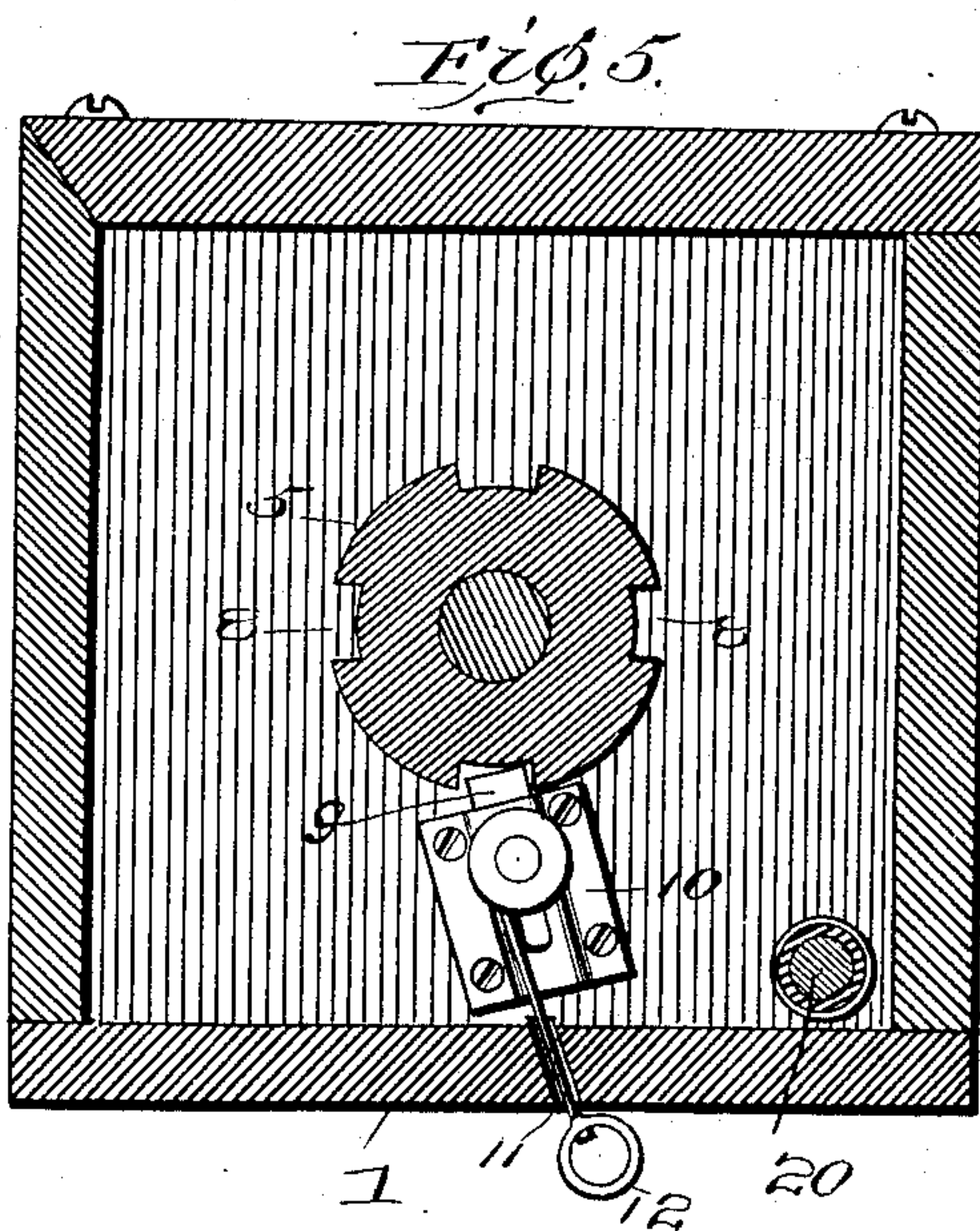
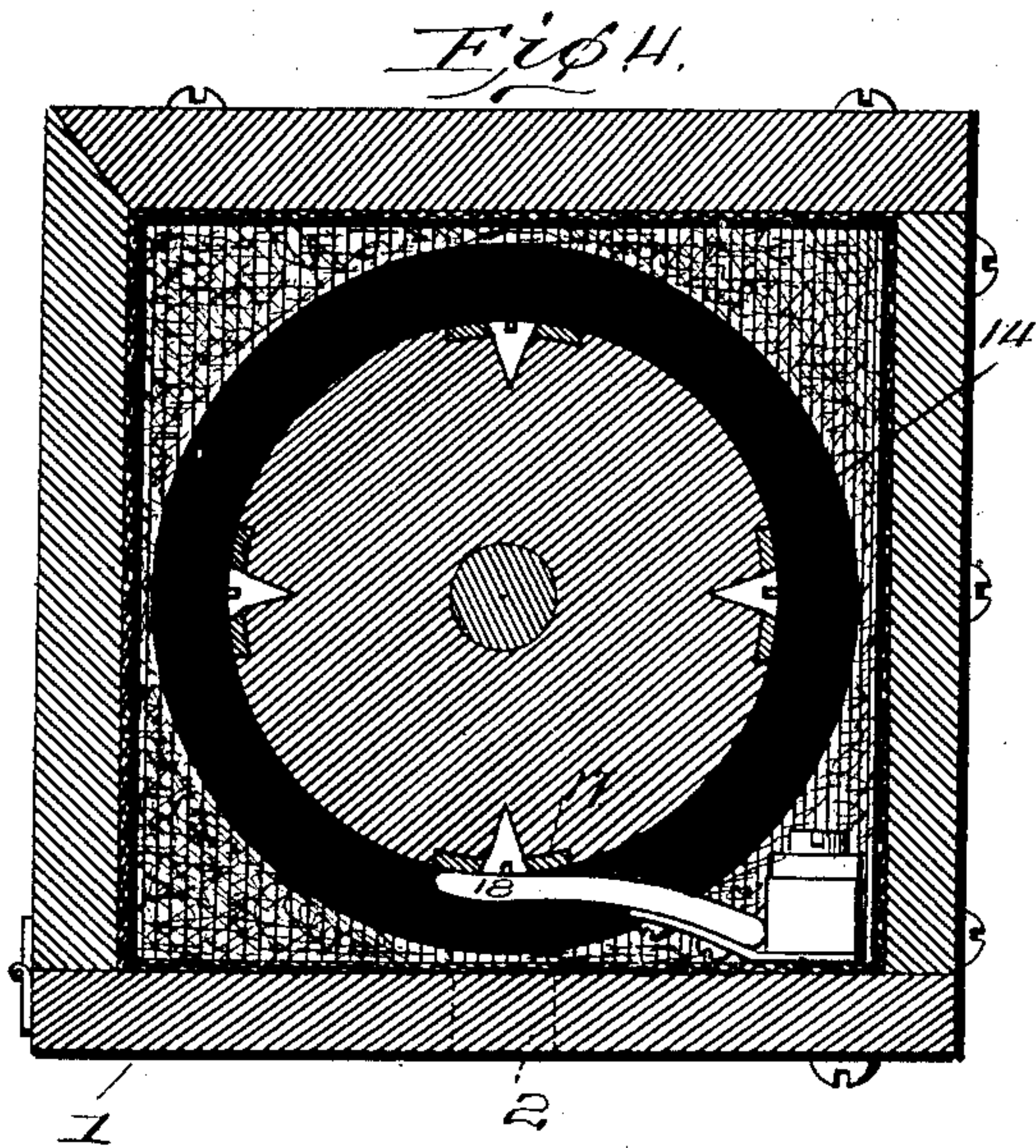
PATENTED FEB. 24, 1903.

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FUSE BOX.

APPLICATION FILED APR. 7, 1902.

NO MODEL.

2 SHEETS—SHEET 2.



Witnesses

J. M. Fowler Jr.  
Geo. D. Oakes

Inventor  
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# UNITED STATES PATENT OFFICE.

JAMES K. MORGAN, OF BALTIMORE, MARYLAND, ASSIGNOR OF TWO-THIRDS  
TO WILLIAM T. RILEY AND GEORGE A. VAN HORN, OF BALTIMORE,  
MARYLAND.

## FUSE-BOX.

SPECIFICATION forming part of Letters Patent No. 721,217, dated February 24, 1903.

Application filed April 7, 1902. Serial No. 101,711. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES K. MORGAN, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Fuse-Boxes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to fuse-boxes for electric conductors; and its primary object is to provide a plurality of fuses arranged upon a revoluble support and adapted to be successively placed in electrical connection with the conductor-wires, so that when one fuse burns out the next adjacent one may be readily brought into position to replace it, thus avoiding the delay ordinarily incident to the burning out of a fuse.

A further object of the invention is to provide a safety fuse-box which shall be simple in construction and efficient in use.

With these objects and such others as may be disclosed as the description proceeds in view the invention consists of the combination, with a fuse-box, of a plurality of independent fuses arranged upon a revoluble support and means for adjusting said support and maintaining it in adjusted position.

The invention also consists in the features of construction, as hereinafter fully described in connection with the accompanying drawings, which form part of this specification, and particularly pointed out in the appended claim.

In the drawings, Figure 1 is a side elevation of a fuse-box embodying the invention with its hinged door open to show the interior of the box. Fig. 2 is a view in perspective, showing the revoluble drum carrying the fuses and the position of the conductor-brushes relative thereto. Fig. 3 is an end elevation of the box, and Fig. 4 a transverse section on the line 4 4. Fig. 5 is a transverse section on the line 5 5.

The reference-numeral 1 designates the box, formed with an elongated opening 2 in its

floor or bottom and having a transverse partition 3 adjacent to one of its end walls. Supported within bearings formed in one of the end walls and the partition 3 is a revoluble drum 4, having a reduced extension 5 extending through the partition 3 and the adjacent end wall and terminating outside of the latter in a finger-piece 6, carrying a pointer 7, adapted to register with indicating-numerals on the outer side of the end wall. The extension 5 of the drum is formed at equidistant points with notches 8, adapted to be engaged by a spring-controlled dog 9, supported in a guideway 10 on the outer side of the partition 3 and to be operated by a pull-wire 11, extending through an opening in the bottom of the box and provided with a grasping-ring 12.

Upon the drum 4 are secured two concentric insulating-rings 13 and 14, between which are secured the fuses 15, arranged in parallel relation and at equal distances apart. The ends of the fuses are secured by binding-posts 16 to contact-plates 17, upon the outer ends of which the brushes 18 are adapted to bear. The drum 4, between the rings 13 and 14, is covered by insulating material, and the entire interior of the box is lined with insulation. Only the lowermost fuse is in circuit with the conductors 19 and 20 through the brushes 18, and said fuse is immediately over the opening in the bottom of the box.

The operation of the device is as follows: When the lower fuse burns out, the dog 9 is disengaged from the drum by pulling upon the wire 11, and the drum is given a partial revolution by means of the finger-piece 6 to bring the next adjacent fuse into circuit, such movement being guided by the pointer and indicator on the end of the box. The spring-dog snaps into the notches in an obvious manner to hold the drum in the properly-adjusted position.

While I have shown a series of four fuses, it will be obvious that a greater or less number might be employed without departing from the invention.

I claim—

The combination, with a fuse-box, of a drum

revolubly supported therein, a plurality of  
fuses supported on said drum in parallel re-  
lation, an extension at one end of the drum  
formed with equidistant notches, a spring-  
5 dog adapted to engage in said notches, a wire  
connected to the dog and passing out through  
the box, a ring connected to the outer end of  
the wire, and an indicator at one end of the

box operated by the means for adjusting the  
drum, substantially as described. 10

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

JAMES K. MORGAN.

Witnesses:

H. S. BREWINGTON,  
ROBERT C. RHODES.