

No. 859,997.

PATENTED JULY 16, 1907.

J. W. VOGEL.
STAGE CURTAIN.

APPLICATION FILED JAN. 2, 1907.

2 SHEETS—SHEET 2.

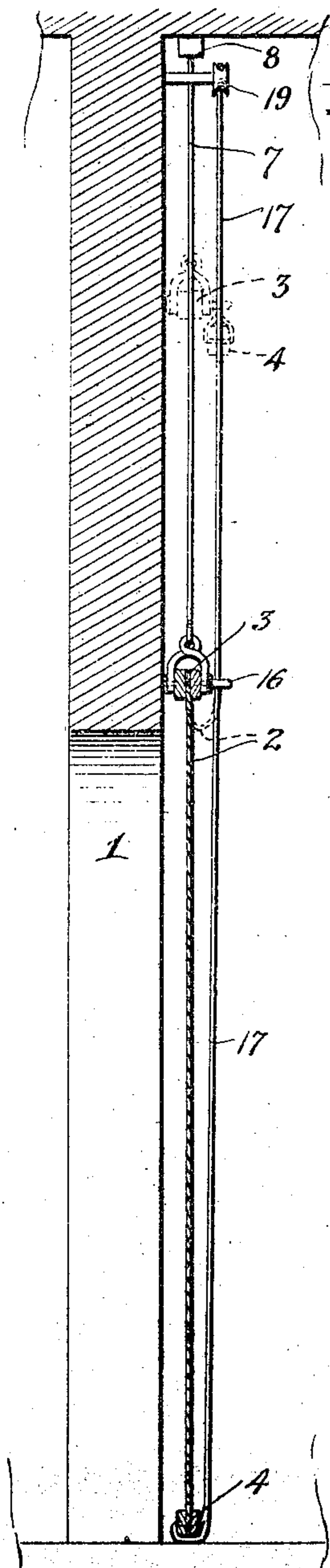


FIG. 2

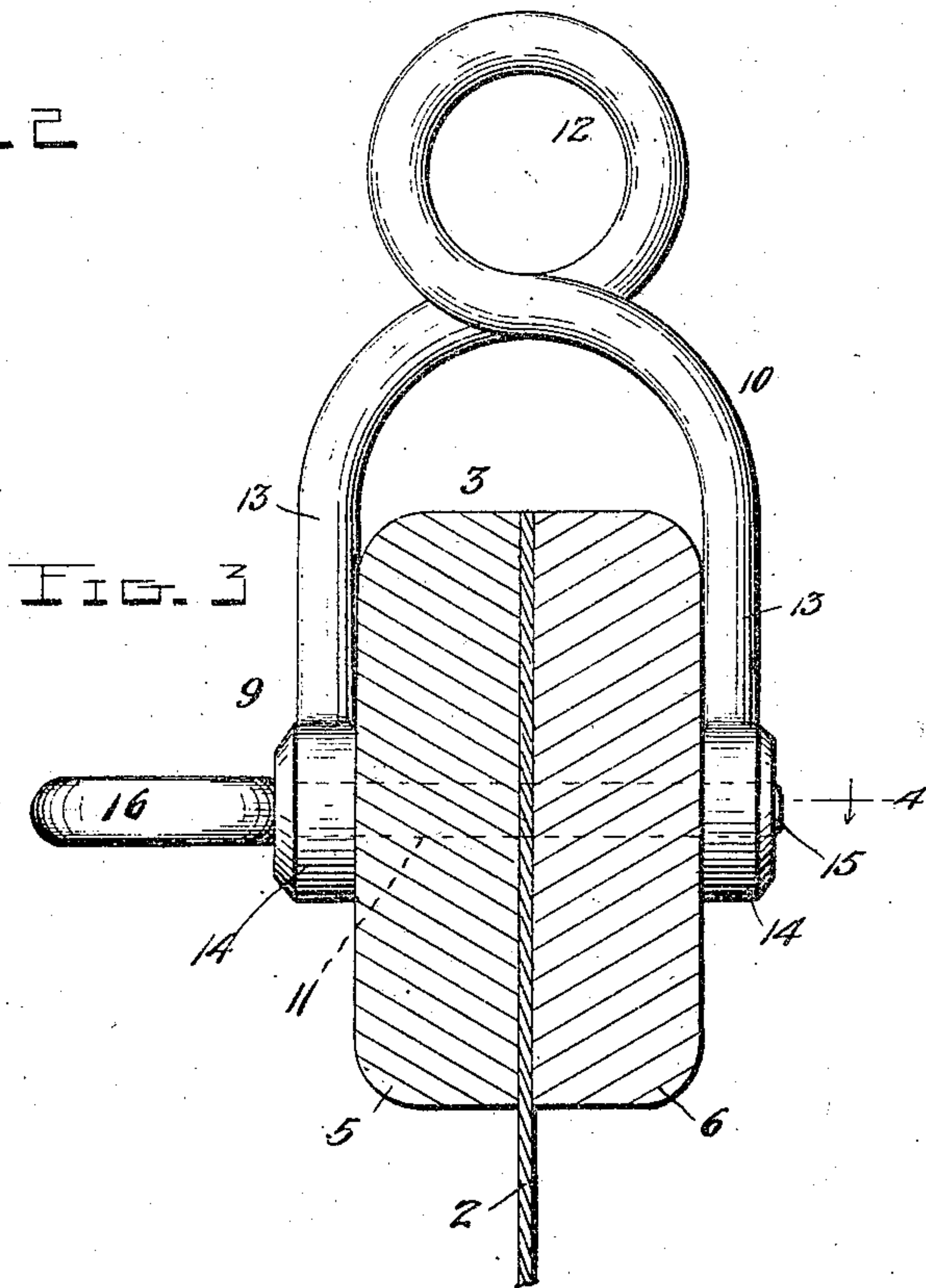


FIG. 3

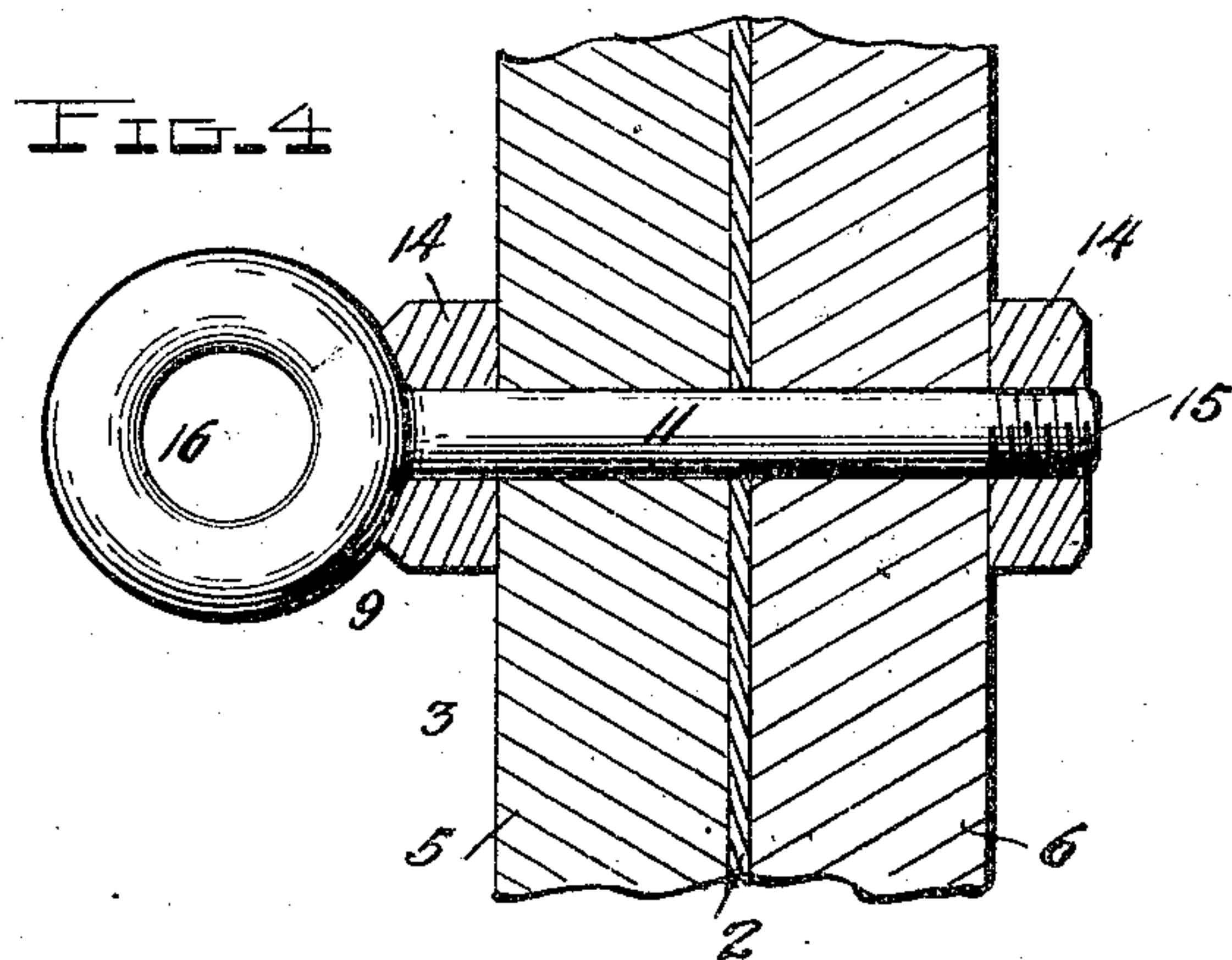


FIG. 4

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN WILLIAM VOGEL, OF EL RENO, OKLAHOMA TERRITORY.

STAGE-CURTAIN.

No. 859,997.

Specification of Letters Patent.

Patented July 16, 1907.

Application filed January 2, 1907. Serial No. 350,389.

To all whom it may concern:

Be it known that I, JOHN WILLIAM VOGEL, a citizen of the United States, residing at El Reno, in the county of Canadian and Territory of Oklahoma, have invented certain new and useful Improvements in Stage-Curtains, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in devices for hanging and operating stage curtains and the like, and consists in the novel construction, combination and arrangement of parts hereinafter described and claimed.

The object of the invention is to simplify and improve the construction of devices of this character and thereby render the same more convenient to operate and less expensive to produce.

The above and other objects are accomplished by the improved construction illustrated in the accompanying drawings, in which,

Figure 1 is a side elevation of the inner side of a stage curtain, showing the application of my invention thereto; Fig. 2 is a section of the parts shown in Fig. 1, the curtain being shown in its lowered position in full lines and in an elevated position in dotted lines; Fig. 3 is a detail vertical section through the upper portion of the curtain, showing the combined guide and fastener; and Fig. 4 is a detail horizontal section on the plane indicated by the line 4-4 in Fig. 3.

Referring to the drawings by numeral, 1 denotes the stage proscenium and 2 the curtain, which latter is of flexible material and has at its top and bottom edges reinforcing bars or battens 3, 4. Each of the latter preferably consists of two similar wooden sections 5, 6 between which the edges of the curtain are clamped or secured in any suitable manner. The curtain is suspended by ropes, cables or other flexible elements 7, preferably, in the usual manner; but as illustrated, their upper ends are suitably anchored at 8 adjacent to the roof of the theater. It will be understood that when the curtain is used by a traveling theatrical company, any well known or preferred means may be employed for mounting the cables or lines 7. The lower ends of the latter are attached to combined guiding and fastening devices 9 upon the upper batten 3 of the curtain. Each of the devices 9 consists of an attaching clip 10 and a guide bolt 11. The clip 10 has its central portion bent to form a circular loop or eye 12 to which the lower end of one of the cables 7 is attached and its two ends bent to form parallel arms 13, so that the lower end of the clip is of an inverted U-shape. The arms 13 engage the opposite sides of the upper batten 3 and have at their ends enlargements 14 formed with transversely alining apertures to receive the guide bolt 11. The latter passes through the inner or rear arm 13 and through alining apertures in the sections 5, 6 of

the batten 3 and has its threaded end 15 engaged with screw threads formed in the outer or front arm 13. The inner end or head of the bolt 11 is in the form of an eye or loop 16 through which is adapted to pass one of the hoisting ropes, cables or other flexible elements 17. These cables 17 have their lower ends 18 attached to the lower batten 4 of the curtain and after passing through the eyes 16 pass over suitable guides 19 and have their opposite ends suitably arranged for manipulation either by hand or by a suitable hoisting mechanism.

In operation, when it is desired to raise the curtain the cables 17 are drawn upon, so that the lower batten 4 will be raised until it engages the combined guides and stops 16 through which said cables pass, whereupon the upper batten 3 and consequently the entire curtain will be raised vertically until it has reached the desired height. In this opening or raising of the curtain, when the batten 4 reaches the batten 3, the cables 17 take up the entire weight of the curtain and the suspending cables 7 hang loose until the curtain is again lowered. It will be observed that this suspending and hoisting mechanism is exceedingly simple in construction, so that it may be installed at a small cost and will not readily become disarranged or get out of working order. It is exceedingly easy and convenient to operate and permits the curtain to be quickly raised and lowered.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States, is:—

1. The combination with the stage proscenium, of a flexible curtain, suspending elements attached to the upper portion of the curtain for supporting it over the arch in said proscenium, combined guides and stops upon the upper portion of the curtain, and hoisting elements attached to the lower portion of the curtain and passing freely through said combined guides and stops, whereby when said hoisting elements are drawn upwardly the bottom of the curtain will be raised to its top and into engagement with said combined guides and stops and the entire curtain then lifted bodily above the arch in the proscenium.

2. In a stage curtain, the combination with a flexible curtain, of suspending cables attached to the top of the curtain, combined guide and stop eyes arranged horizontally upon the rear face of the curtain at its top, and hoisting cables passed vertically through said eyes and attached at their lower ends to the bottom of the curtain, whereby when said hoisting cables are drawn upon, the bottom of the curtain will be raised until it contacts the said eyes at the top of the curtain and the entire curtain will then be lifted bodily, substantially as shown and described.

3. The combination with a flexible curtain having reinforcing members at its top and bottom, suspending cables anchored at their upper ends and attached at their lower ends to the upper reinforcing member of the curtain, combined guides and stops upon the upper reinforcing member of the curtain, and hoisting cables passing through said

combined guides and stops and attached to the lower reinforcing member of the curtain, substantially as shown and for the purpose set forth.

- 5 4. The combination with a flexible curtain having upper
and lower reinforcing bars upon its top and bottom edges,
U-shaped clips having their apertured arms engaged with
the upper bar and having eyes at their upper ends, eye
bolts passed through said apertured arms of the clips and
through said upper bar, suspending cables having their
10 lower ends attached to the eyes of said clips, and hoisting

cables passed through the eyes of said bolts and attached at their lower ends to the lower bar of the curtain, substantially as shown and for the purpose specified.

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

JOHN WILLIAM VOGEL.

Witnesses:

W. I. Goff,

PAUL BOGARDUS.