

No. 753,490.

PATENTED MAR. 1, 1904.

B. HILL.
COPY HOLDER.

APPLICATION FILED APR. 9, 1903.

NO MODEL.

Fig. 1.

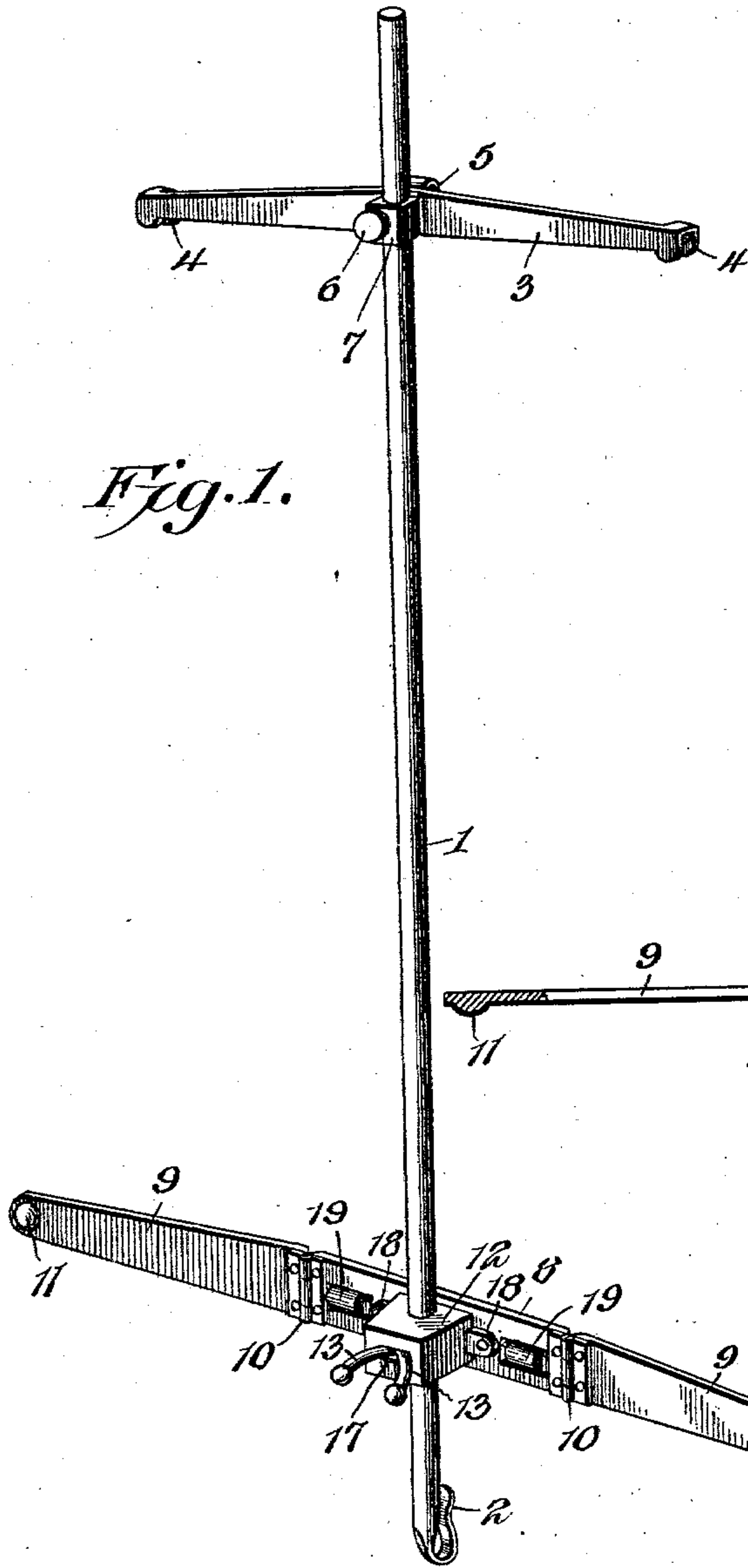


Fig. 2.

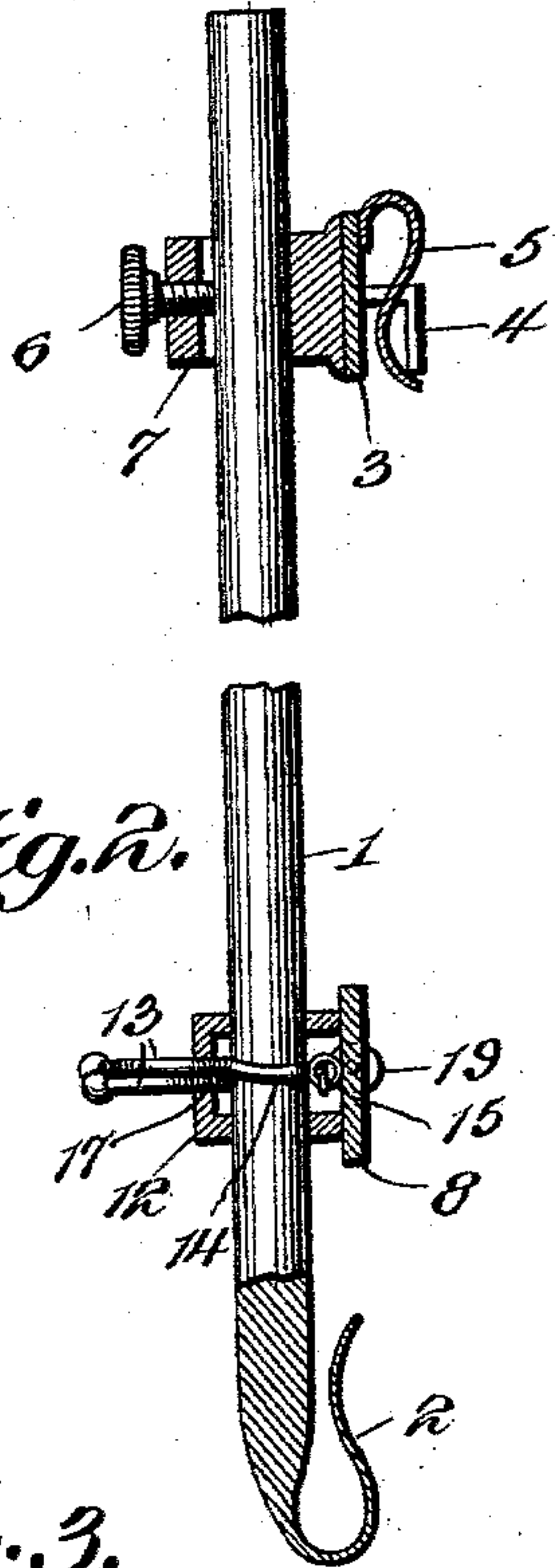


Fig. 3.

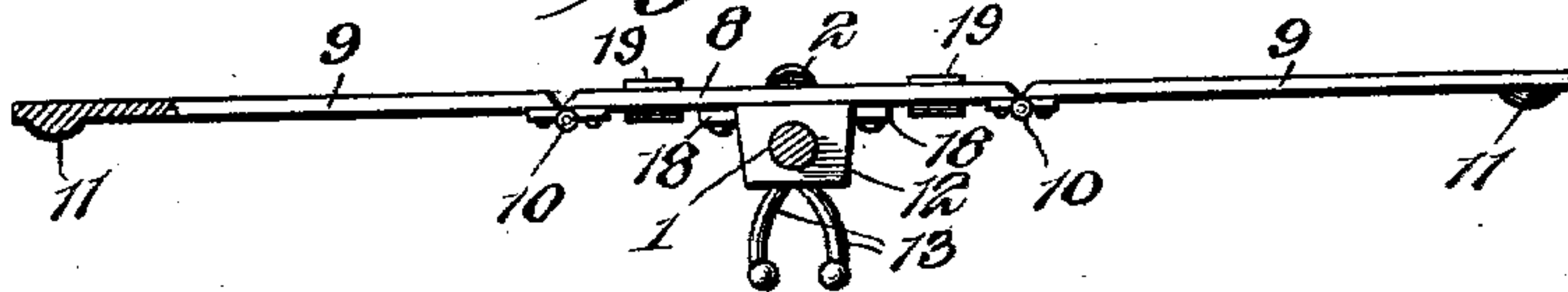
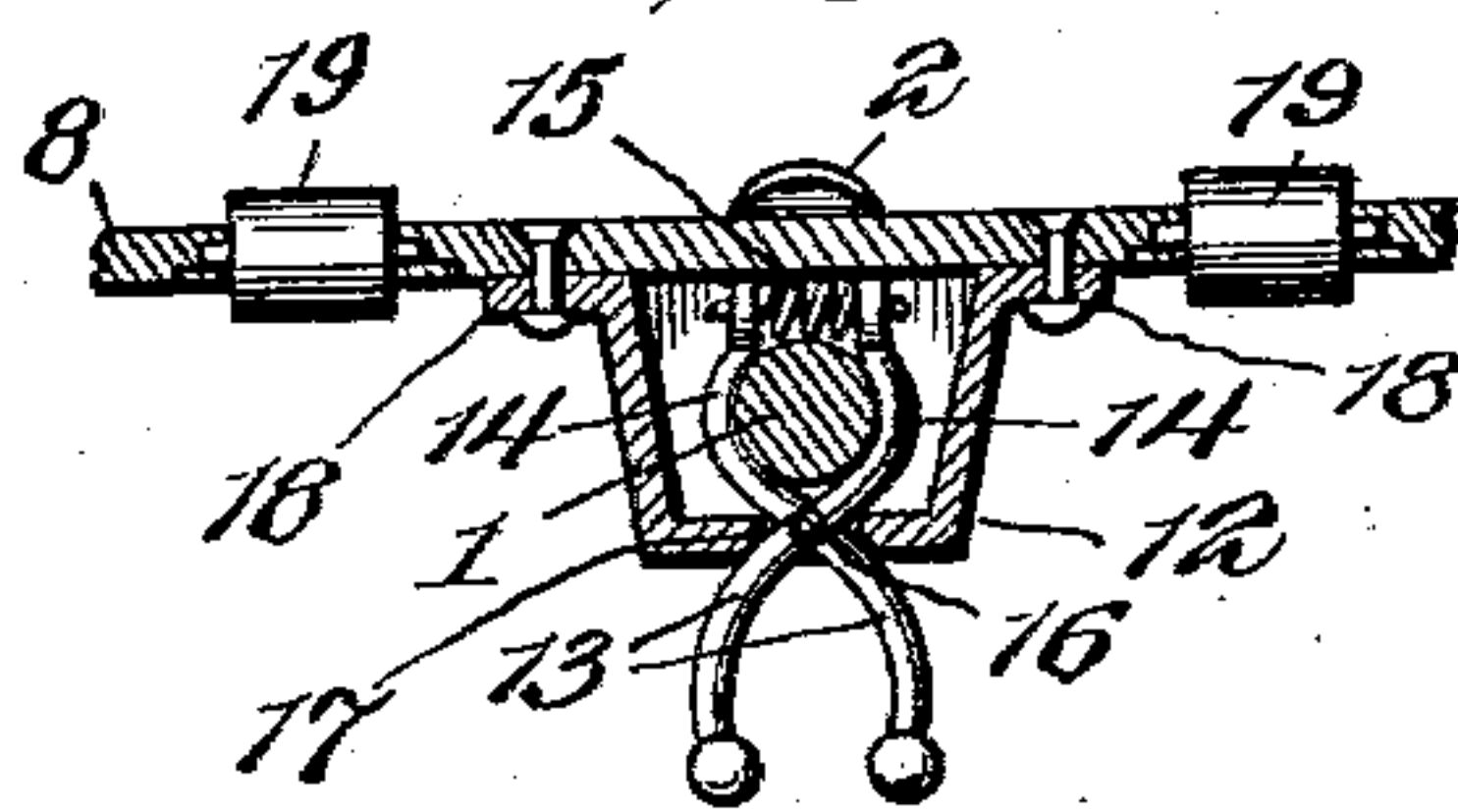


Fig. 4.



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UNITED STATES PATENT OFFICE.

BRADBURY HILL, OF OSAGE, IOWA.

COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 753,490, dated March 1, 1904.

Application filed April 9, 1903. Serial No. 151,896. (No model.)

To all whom it may concern:

Be it known that I, BRADBURY HILL, a citizen of the United States, residing at Osage, in the county of Mitchell and State of Iowa, have
 5 invented a new and useful Copy-Holder, of which the following is a specification.

The invention relates to improvements in copy-holders.

The object of the present invention is to improve the construction of copy-holders and to provide a simple, inexpensive, and efficient device designed to be applied to large books for enabling accurate copies and extracts to be made from the same and adapted to conform to the configuration of and lie approximately flat against a book in which the leaves round up or bulge at the center.

A further object of the invention is to provide a device of this character adapted to be readily adjusted to suit books of different sizes and capable of enabling the indicator to be readily moved downward or advanced on its support and of effectually preventing the same from slipping accidentally, and thereby failing to indicate properly the part to be copied.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportions, size, and minor details of construction within the scope of the claims may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a copy-holder constructed in accordance with this invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a horizontal sectional view, the indicator-arms being shown in plan view. Fig. 4 is a transverse
 45 sectional view illustrating the manner of mounting the indicator on the supporting-rod.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

50 1 designates a rod forming a support for

an adjustable indicator and provided at its lower end with a resilient hook 2, forming a clamping device and adapted to engage the bottom of a book at the center thereof. The rod or support is secured to the top of a book
 55 by an adjustable clamping device, consisting of a bar 3, centrally connected with the rod 1 and provided at its ends with rearwardly-projecting hooks 4, adapted to engage several leaves of a book. The hooks 4 may be made
 60 of any desired size to enable the requisite number of leaves to be engaged, and the bar is provided with a centrally-arranged rearwardly-projecting resilient hook 5, adapted to engage the top of the book at the center thereof. In practice the lower hook of the rod is first engaged with the bottom of a book, and the upper clamping device is then engaged with the top of the book and pressed downward or inward to clasp the book tightly, and
 70 the upper clamping device is secured in its adjustment by a clamping-screw 6, mounted in a threaded perforation of a casing or guide 7, having an aperture for the rod, which is preferably round. The rod may be constructed of metal or any other suitable material, and the lower resilient hook may be formed integral with the rod, as indicated in Fig. 2 of the drawings, or it may be constructed in any other desired manner, as will
 80 be readily understood. The upper clamping device may be constructed of metal or any other suitable material, and the central and end hooks may be applied to the bar, which forms the body portion of the upper clamping
 85 device, in any desired manner. The end hooks 4 are preferably integral with the bar, and the central hook may be either formed integral with the bar or be constructed separate therefrom, as desired. Any form of casing
 90 7 may be employed to form a guide for the upper clamping device.

The indicator, which may be constructed of any suitable material, preferably consists of a central section 8 and end sections 9, connected with the terminals of the central section by hinges 10 to permit the arms formed by the sections to conform to the configuration of and lie flat against the pages of a book. The hinge-joint between the inner and outer
 100

sections is located adjacent to the support and approximately at a point where a book is liable to bulge or round up in order to cause the outer section to hug closely the book. The former is provided at its outer end with a weight 11. Any form of hinge joint or connection may be employed, and instead of providing separate hinges, as illustrated in the accompanying drawings, the eyes may be carried by the sections and be formed integral with the same.

The central section 8 of the indicator is provided with a casing 12, through which passes the rod 1, which forms a guide and which is engaged by a pair of spring-actuated clamping-levers 13, fulcrumed between their ends at the front of the casing 12 and provided with inner curved jaws 14 for engaging the rod 1 at opposite sides thereof. The terminals of the jaws are connected by a coiled spring 15, which holds the jaws firmly in engagement with the combined guide and supporting rod. The outer portions of the levers are shaped to form handles and are adapted to be compressed to distend the spring and open the jaws, to permit the indicator to slide freely on the rod. When the outer portions of the clamping-levers are released, the spring retracts and automatically carries the jaws into engagement with the rod, whereby the indicator is firmly clamped to the rod and is effectually prevented from accidentally slipping thereon. The inner ends of the levers are perforated to receive the terminals of the coiled spring 15; but the latter may be connected with the levers in any other desired manner. The levers are preferably connected with the casing by a pivot 16, and they extend outward through a slot 17. The casing is provided at opposite sides with laterally-extending perforated ears 18 for the reception of fastening devices for securing the casing to the central section of the indicator; but the casing may be applied to the said central section in any other desired manner.

In order to enable the indicator to slide freely over the book to which the device is applied, the central section is provided with opposite antifriction devices, preferably consisting of rollers 19, mounted in suitable slots or openings and projecting from the inner or rear face of the said section. The antifriction-rollers may be journaled on the central section in any suitable manner, and they enable the indicator to slide easily over the surfaces of the opposite pages of a book and prevent the indicator from binding or accidentally tearing or otherwise injuring the leaves.

The present invention is designed especially for use in connection with large books containing public records and is adapted to be readily applied to books of different sizes, and indicators having arms of different lengths may be employed and can be quickly applied to the combined guide and supporting rod.

Also a single indicator-arm may be employed, if desired.

The weights at the outer ends of the outer sections of the indicator prevent the ends of the latter from being lifted or moved away from the book to which the device is applied by any bulging or rounding of the book at the center. When the device is applied to books which are capable of opening out perfectly flat, the indicator may be provided with a stiff unyielding arm and the weights may be omitted. Also the indicator may be provided at each arm with a plurality of movably-connected sections to secure the desired flexibility of the indicator and to enable the arms thereof to yield or bend to the desired extent.

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

1. A device of the class described having an adjustable indicator provided between its ends with a hinged joint, the hinged portion being arranged to swing toward and from a book, whereby the adjustable indicator is adapted to conform closely to the configuration of a book and to lie against the leaves when the same are rounded or bulged, substantially as described.

2. A device of the class described provided with an indicator having a hinged section arranged to swing upward and downward toward and from a book, substantially as described.

3. A device of the class described provided with an adjustable indicator composed of sections movably connected together, one of the sections being provided with a weight, substantially as described.

4. A device of the class described provided with an adjustable indicator composed of a central section, and end sections hinged at their inner ends to the central section and provided at their outer ends with weights, substantially as described.

5. A device of the class described comprising a guide provided with means for engaging the top and bottom of a book, an indicator provided with a casing having an aperture receiving the guide, and clamping-levers provided with jaws engaging the guide and having yieldable means for connecting their terminals, substantially as described.

6. A device of the class described comprising a guide provided with means for supporting it in position, an indicator provided with a casing having an aperture to receive the guide, a pair of clamping-levers fulcrumed on the casing and having inner clamping-jaws and provided with outer handle portions, and a coiled spring connecting the inner ends of the levers and holding the jaws normally in engagement with the guide, substantially as described.

7. A device of the class described comprising a guide, and an indicator adjustable on the guide and composed of an inner portion hav-

ing an antifriction device arranged to slide on a leaf of a book, and an outer portion movably connected with the inner portion, substantially as described.

5 8. A device of the class described comprising a guide, and an indicator adjustable on the guide and composed of a central section provided with opposite antifriction-rollers, and weighted outer sections movably connected
10 with the central section, substantially as described.

9. A device of the class described comprising a guide-rod provided with means for engaging one edge of a book, an adjustable device for engaging the opposite edge of the
15 book composed of a bar provided with central and end hooks, and an adjustable indicator, substantially as described.

10. A device of the class described provided
20 with an indicator having a plurality of joints

forming sections arranged to swing toward and from a book, whereby the indicator is adapted to conform substantially to the configuration of the same, substantially as described.

11. A device of the class described having an indicator provided with a plurality of joints forming sections arranged to swing downward and upward toward and away from a book to permit the indicator to conform closely to the
25 configuration of the same, and means for holding the sections or members of the indicator against a book, substantially as described.

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

BRADBURY HILL.

Witnesses:

T. F. WARNER,
A. E. ROBERTS.