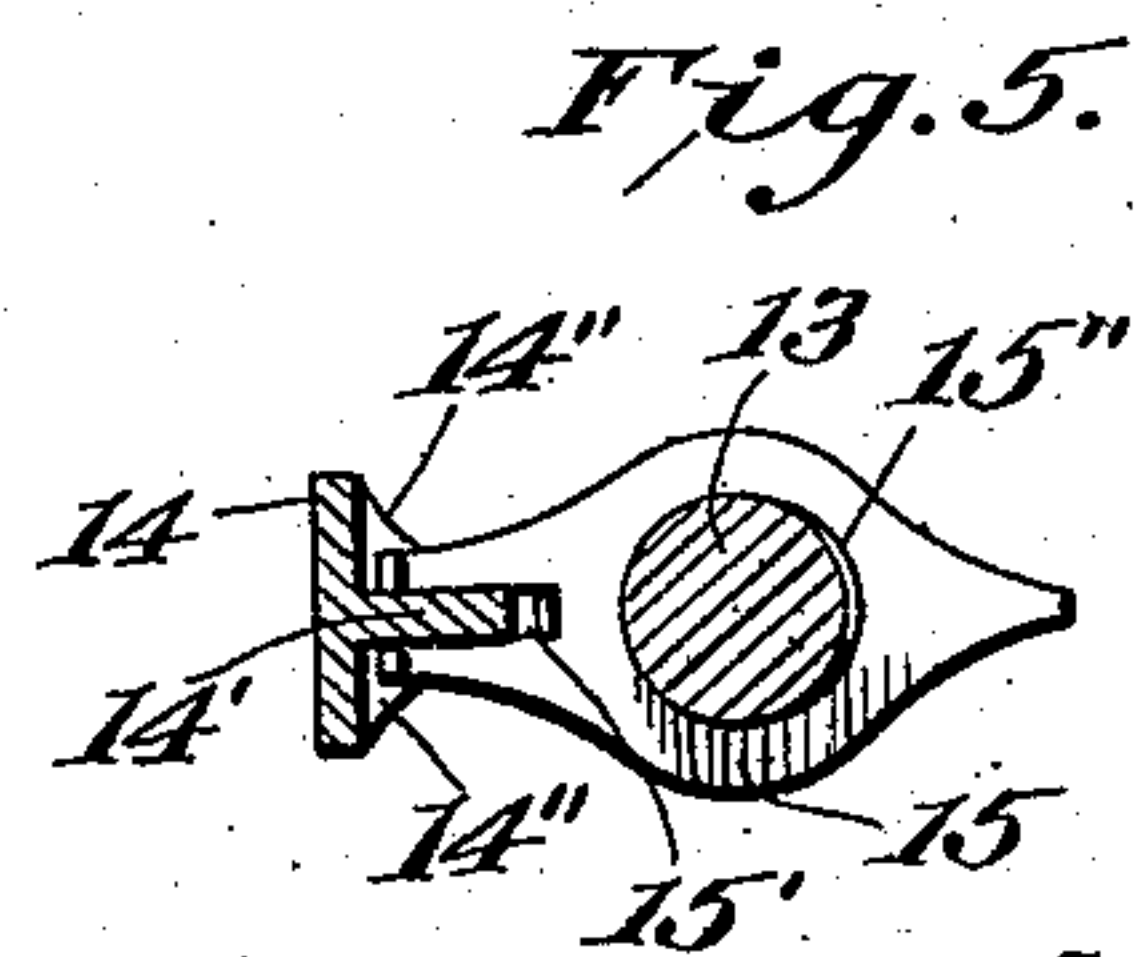
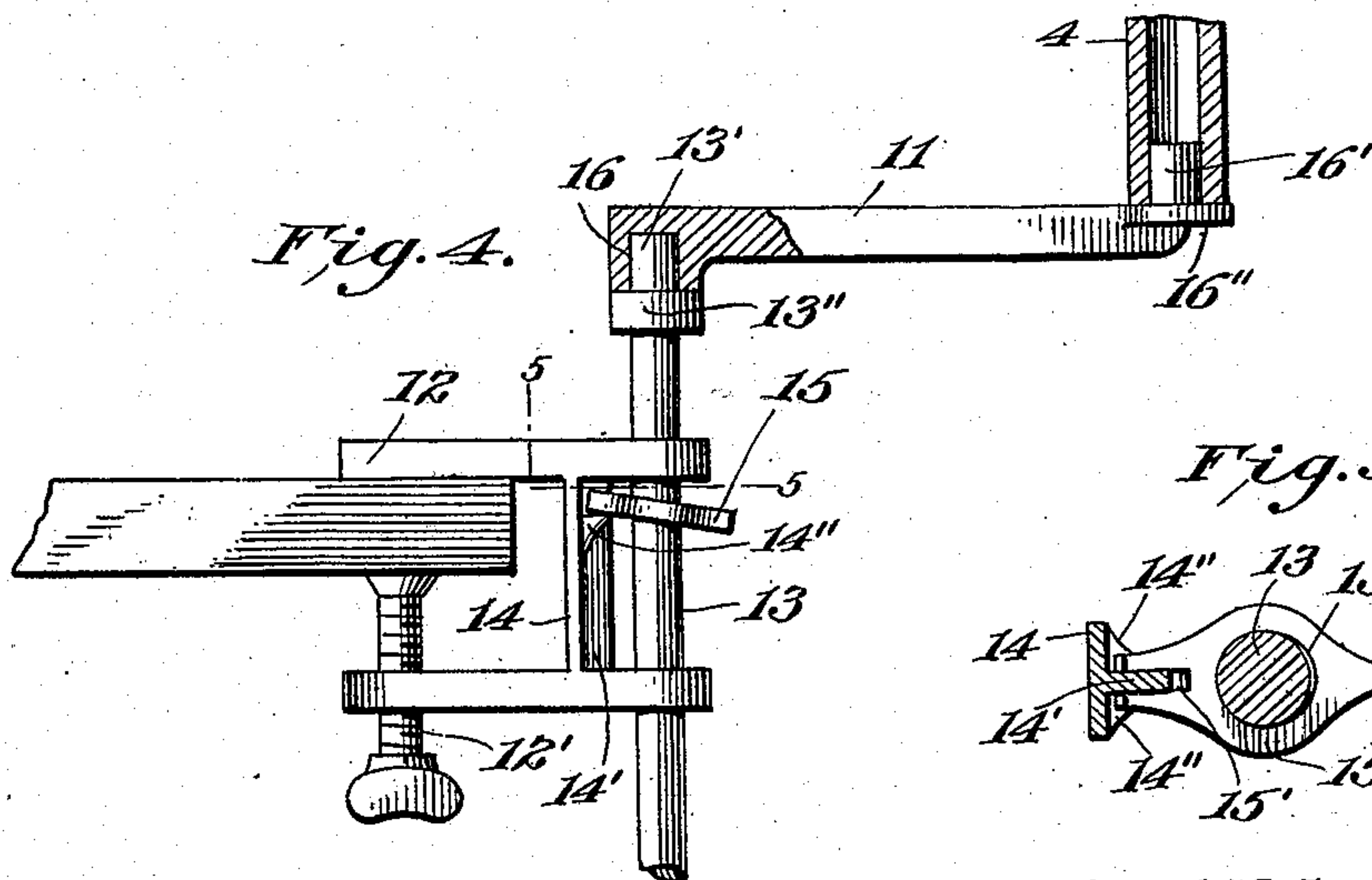
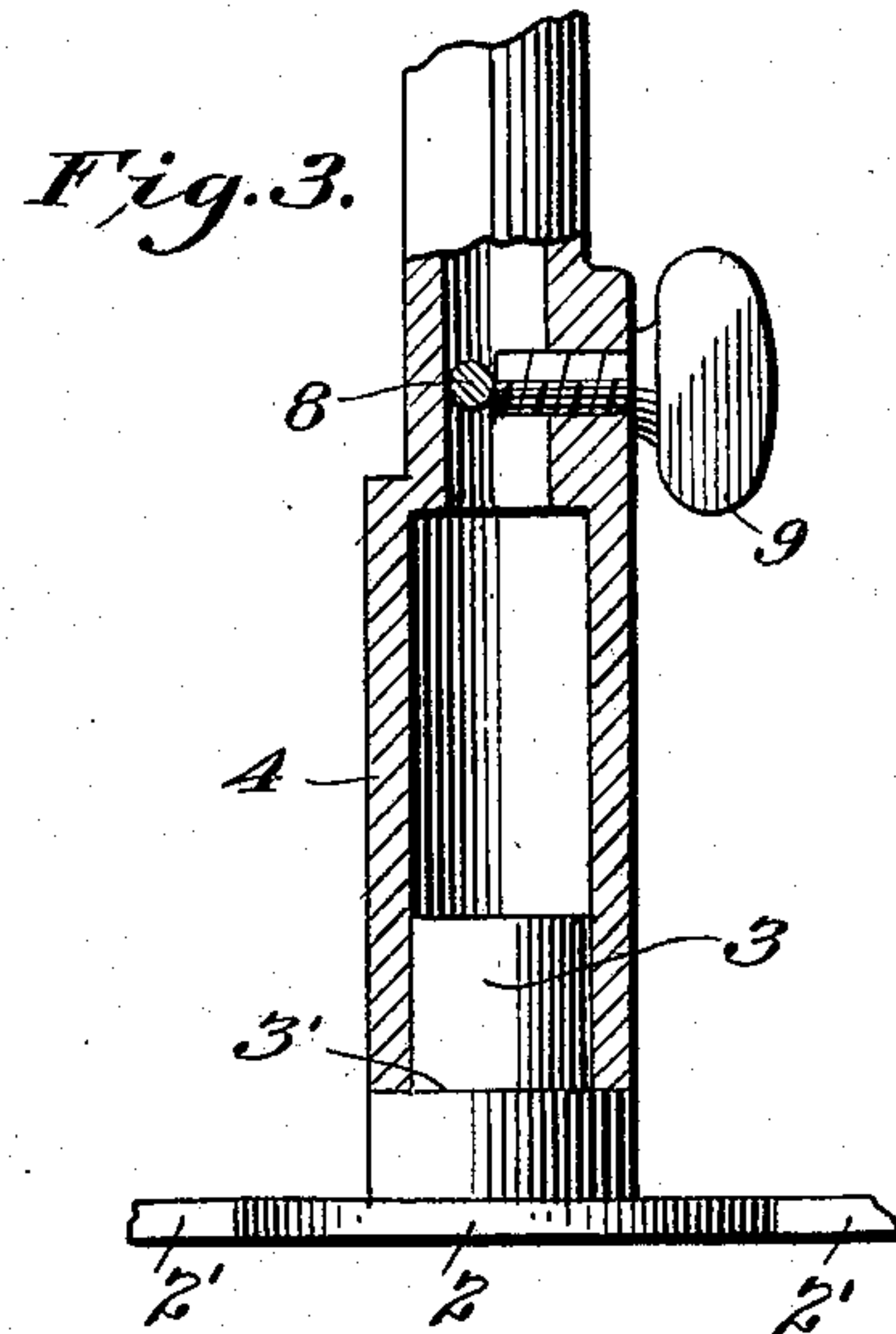
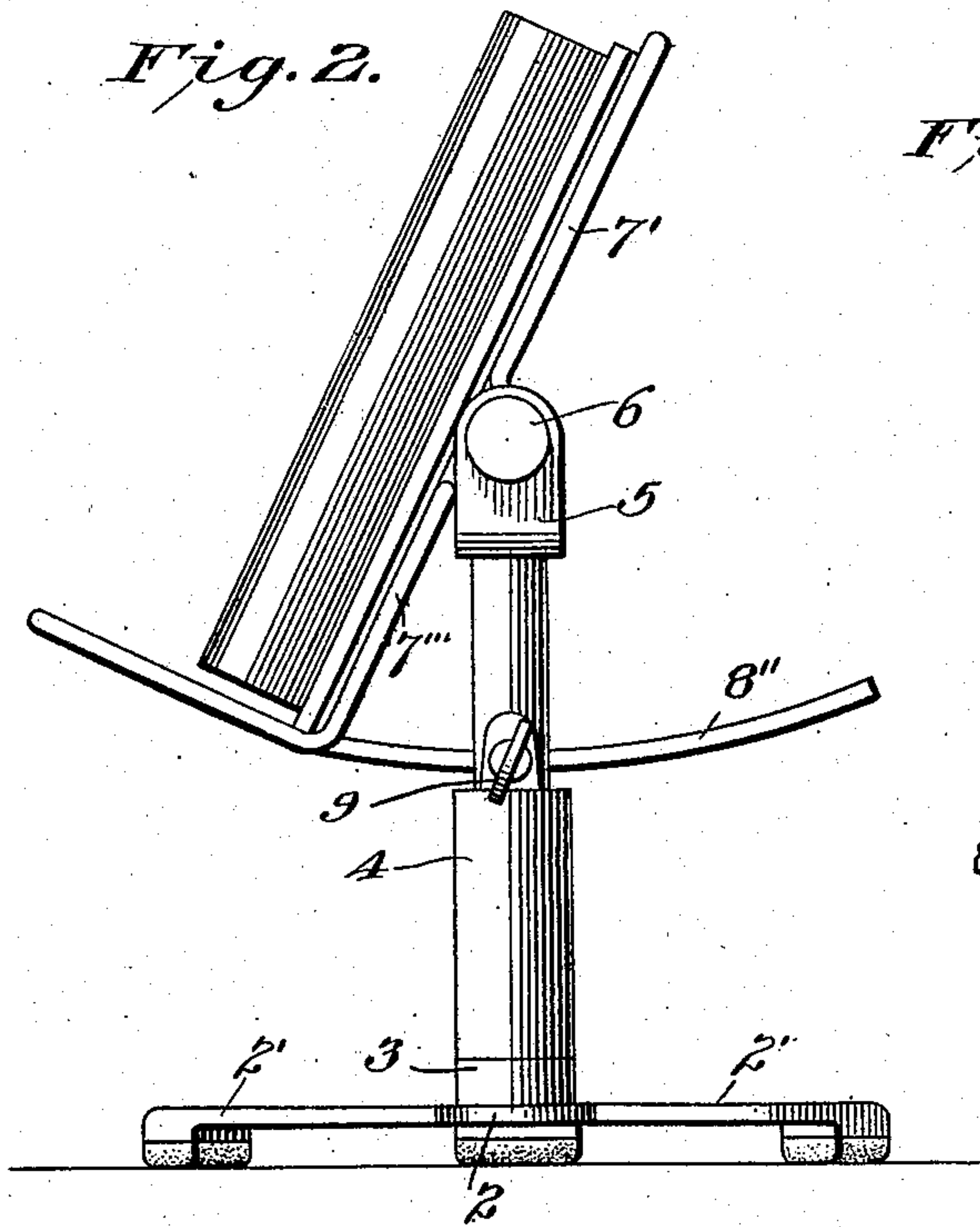


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ADJUSTABLE BOOK REST.
APPLICATION FILED MAY 12, 1908.

916,066.

Patented Mar. 23, 1909.

2 SHEETS—SHEET 2.



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ADJUSTABLE BOOK-REST.

No. 916,066.

Specification of Letters Patent.

Patented March 23, 1909.

Application filed May 12, 1908. Serial No. 432,348.

To all whom it may concern:

Be it known that I, LELAND VALENTINE, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Adjustable Book-Rests, of which the following is a specification.

My invention relates to devices designed to support books, newspapers, etc., in position where they may be easily read, the object being to provide a book rest which may be easily adjusted for angular direction, wherein the book so supported may be tilted at any angle desired and there held, and wherein the book rest may be attached either to a suitable base or clamped upon a table, chair or other article of furniture.

Figure 1, is a perspective view of the book rest. Fig. 2, is a side view. Fig. 3, an enlarged detail, the standard being partly broken away at its lower end. Fig. 4, is a view showing an adjustable extension arm and clamp, the end of said arm being in section to show the attachment thereof to the clamp. Fig. 5, is a sectional detail enlarged of the clamp used on the bracket, the section being taken on line 5, 5, of Fig. 4.

Like characters designate like parts in all of the several views.

Referring to Figs. 1, 2 and 3, 2 designates a base, having legs 2', the center of the base being provided with an upwardly projecting pillar 3, which is reduced at its upper end so that a shoulder 3' may be formed. The standard 4, is tubular and has attached to its upper end a U-shape yoke 5, the upper ends of which carry a pivot pin 6, upon which the book rack proper is pivotally mounted. The book carrying rack 7, is formed of one piece of wire, the rack being pivotally supported at its middle on the pin 6. The upper portion 7', of the rack is formed by bending the wire in an approximately triangular shape, the apex of the triangle being downward. Where the side wires of this triangle near each other, the wires are coiled a number of times about the pin 6, as at 7'', to form the pivotal bearing of the frame. The ends of the wires are then bent outward in opposite directions from each other to a width about equal to that of a book when open, then bent downwardly as at 7''', then outward at right angles, to form the bottom of the rack on which the book is supported. The two ends of the

wire are then bent toward the middle of the front of the rack as at 7'''. Here the ends of the wire meet and are twisted together as at 8, and bent inward toward the standard. One of the ends of the wires, 8', is extended upward at the same angle as the side book supports 7'', and forms a support for the back of a book. The other end 8'' of the wire, passes loosely through an opening in the standard 4, and extends rearward in the arc of a circle. The set screw 9, operates through the side of the tubular standard and binds against the end 8'', this portion of the wire, thus forming an adjusting bar whereby the rack may be set and held at any angle desired.

In Fig. 4, I show a pivoted extension arm 11, and a clamp bracket 12, which are designed to be used in place of the base 2, when the book rest is to be attached to some article of furniture, as for instance a chair or bed. The clamp bracket 12, has at one end the clamp screw 12', and the upper and lower plates of said bracket are perforated for the passage of a rotatable shaft 13, having a pillar 13', on its upper end. This shaft has also a vertically sliding movement in the bracket. Between the upper and lower plates is the strengthening web 14, having a rib 14', the upper end of this rib is laterally extended on both sides as at 14'', forming a support or socket for the inner end of a clamping plate 15. The inner end of the clamping plate is bifurcated as at 15', see Fig. 5, to fit over the rib above the lateral extension thereto 14''. The plate has an opening 15'', through it for the passage of the shaft 13. This opening is slightly larger than the shaft so that when the plate 15, is at right angles, the shaft passes through easily, but when slightly inclined from the horizontal, the plate will jam and bind on the shaft preventing its further movement downward, though allowing it to be raised any extent desired. The upper end of the shaft has a shoulder as at 13'', to form a bearing flange at the base of the pillar 13'. It will be noticed that the tubular lower end of the standard 4, fits over the pillar 3 of the base and may be detached therefrom. This lower end of the standard also fits on and over the pillar formed on the upper end of the shaft 13, so that the book rest may be supported directly upon the shaft 13, if desired. If however, it is necessary that the book should be held at some distance away from the supporting base, I provide

one or more extension arms 11. These arms are each provided at one end with a socket 16, adapted to fit over the upper end of the shaft 13, and against the shoulder 13'. At the other
 5 end, the arms each have an upwardly extending pillar 16', of the same diameter as the pillar 3, which is adapted to be inserted into the socket 16, of another extension arm
 10 of like character, or into the open end of the standard 4. The pillar 16', is likewise provided with a shoulder 16'', at its base. There may be as many of these arms 11, as desired, though I have only shown one, and by using
 15 them the book may be carried at any position upon the frame of a chair or other support. It will be noticed that the extension arms are easily attached or detached and that by reason of the shoulders 13'', or 16'', the arms have a very strong bearing upon the
 20 pillar 13', or upon each other.

My invention provides a book rack easily adjustable as to inclination or angle of rotation and one wherein the ordinary base for
 25 table use is interchangeable with pivoted arms adapted to be clamped to a chair, bed or other support.

While I have referred to my device as particularly designed for the support of books, I of course do not wish to be limited thereto
 30 as it may be used for analogous purposes.

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

1. A holder for books or other articles having a vertical rotatable standard, a horizontal
 35 pivot pin carried on the upper end of the standard, and a book rack of wire, coiled at its middle around said pivot pin to form a bearing for the rack, the rack being expanded
 40 laterally above and below said pin.

2. A holder for books or other articles having a vertical rotatable standard, a horizontal
 45 pivot pin carried on the upper end of the standard and a book rack of wire pivoted thereon, said rack being made of one piece of wire formed into an approximately triangular
 50 shape, then wound about said pivot pin to form a bearing for said rack, the two ends of the wire then extended laterally, then bent downwardly, outwardly and toward
 each other meeting at the middle of the front of the rack, said ends of wire being there intertwined with each other for a distance and
 bent inwardly toward the standard, one of
 55 said ends then passing through an opening in the standard to form an adjusting rod, the other being turned upward to form a back for the said rack, said standard having a set

screw engaging and holding the adjusting rod set in any position. 60

3. A holder for books or other articles having a tubular standard carrying a book rack
 at its upper end, the lower end of said standard being open to form a socket; in combination with a bracket clamp having projecting
 65 ears, an upwardly projecting rod vertically movable through said ears provided at its upper end with a pillar on which the open end of the rack standard is adapted to fit, a
 clamping plate through which said upwardly
 70 projecting rod loosely passes, means on the bracket for holding one end of said plate loosely engaged and preventing sidewise
 movement of the engaged end of the plate and an arm one end of which is provided with
 75 a socket adapted to fit over the pillar carried by the vertically movable rod, the other end of which has an upwardly projecting pillar on which the open end of the rack standard
 is also adapted to fit. 80

4. A holder for books or other articles having a tubular standard carrying a book rack
 at its upper end, the lower end of said standard being open; in combination with a
 85 bracket clamp having upper and lower plates connected by a rib, said rib having lateral extensions near its upper end; a rod passing through said bracket clamp; a
 clamping plate loosely mounted on said rod, one end of the plate being bifurcated to en-
 90 gage the rib on said connecting web, the upper end of the rod being extended to form a pillar; and an arm having a socket at one end to fit over said pillar and at the other end
 an upwardly projecting pillar adapted to
 95 project into and engage with the open lower end of said standard.

5. A holder for books or other articles having a standard carrying a book rest at its
 upper end, the lower end of said standard being open; in combination with a bracket
 100 adapted to be clamped to a piece of furniture and having projecting ears, a vertically sliding smooth rod passing through said ears, a
 plate through which said rod loosely passes
 105 located between said ears and means for loosely engaging one end of the plate with the bracket and preventing sidewise movement of the engaged end of the plate.

In testimony whereof I have signed my
 name to this specification in the presence of
 two subscribing witnesses. 110

LELAND VALENTINE.

Witnesses:

R. H. KRENKEL,
 C. C. POTTS.