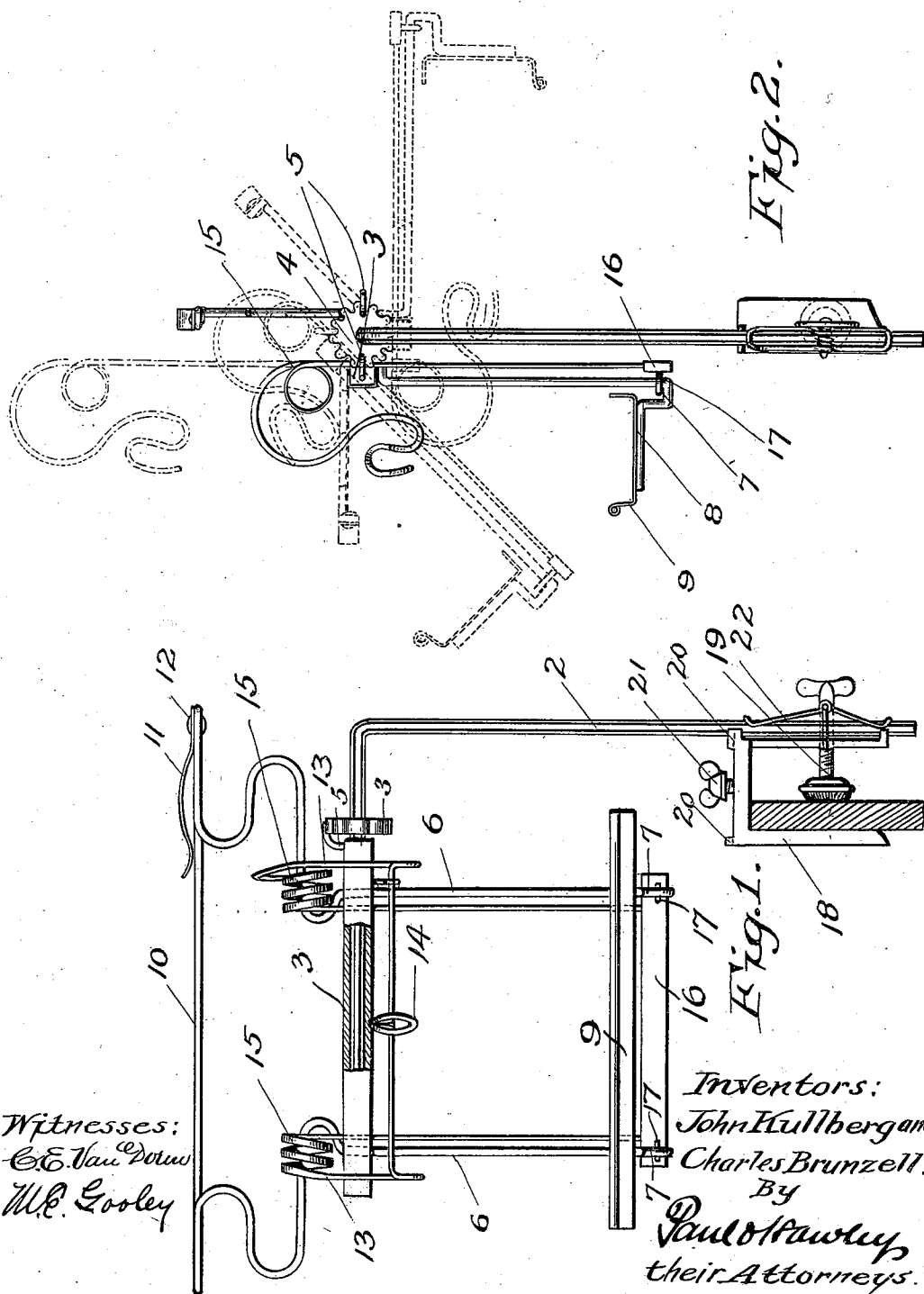


(No Model.)

J. KULLBERG & C. BRUNZELL.
BOOK HOLDER.

No. 550,180.

Patented Nov. 19, 1895.



Witnesses:
C. E. Van Dorn
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Inventors:
John Kullberg and
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By
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UNITED STATES PATENT OFFICE.

JOHN KULLBERG AND CHARLES BRUNZELL, OF MINNEAPOLIS, MINNESOTA;
SAID KULLBERG ASSIGNOR TO CHARLES A. BRUNZELL, OF SAME PLACE.

BOOK-HOLDER.

SPECIFICATION forming part of Letters Patent No. 550,180, dated November 19, 1895.

Application filed June 1, 1894. Renewed September 14, 1895. Serial No. 562,586. (No model.)

To all whom it may concern:

Be it known that we, JOHN KULLBERG and CHARLES BRUNZELL, of Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Book-Holders, of which the following is a specification.

Our invention relates to means for holding books or papers upon bedsteads or chairs, so that a person may read without the exertion of holding the same.

The object which we have in view is to provide a light, neat, and adjustable holder adapted to be readily attached to a bed or chair, and which shall be cheap in construction. Generally devices of this class have been clumsy and unsightly as well as heavy, demanding constant attention to keep them in order and fastened securely. Further, the cost of the same has precluded their general use. To avoid these difficulties we have devised a book-holder made of light metal, principally wire, and readily adjustable at any height and inclination.

The invention will be more readily understood by reference to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a front elevation of a book-holder embodying our invention. Fig. 2 is a side view, the various positions being illustrated by dotted lines.

In the drawings, 2 represents a polygonal rod, the upper end of which is bent at right angles to the lower part and extends through the block 3, which, preferably, has a thin face. The rod is provided with the spur-wheel 4, and each end of the block 3 has one or two springs 5, adapted to snap between the teeth and the spur-wheel to hold the device at any inclination, springs being provided at both ends of the block in order that the holder may be put on either way. The frame of the holder is made up of a wire loop or several wires, if desired, constituting the depending and main parts of the frame 6, the lower ends of which have the depressed loops 7 and the outwardly-extending arm portions 8, upon which the long tin rest 9 is secured. The upper ends of the parts 6 extend upward through and are secured in the block 3, above which the wire is bent into any desired form, so long as

the straight bar portion 10 is provided at the top. On one or both ends of the bar we provide a spring 11, secured by a rivet 12 in the loop at the end of the straight part. The spring and bar are intended to support a newspaper, the lower part hanging down over the rest of the holder. For holding the upper part of a book we provide the springs 13, preferably connected across the front with a small finger loop or hook formed in the wire. Several coils 15 are preferably made in the wire springs, the wire being flattened at these points to lessen the strength of the spring. From thence the wire extends straight down through holes in the block and their ends are fastened in small cross-bar 16, attached to the part 6 of the main frame by small eyes or loops 17, which are slidable upon said straight parts 6, so that the spring-frame may be raised or lowered to pass the spring down over the upper edges of a book resting on the plate 9. The rod 2 is adapted to be secured upon the side rail of a bin or upon the arm of a chair, a double clamp 18 being provided for the purpose. A thumb-screw 19 extends through the side of the clamp to be set against the side rail or the chair-arm. The rod may be secured upon either the side or the end of the clamp, being confined in irregular grooves provided in the lugs 20 at the corners thereof, a simple thumb-screw plate 21 being provided on the end of the bar for fastening the bar or rod, while on the side we preferably employ a strong spring 22, preferably made of wire, and the ends being formed in loops, which partially encircle the rod and prevent the same from turning, though the rod may be slipped up or down to adjust the height of the holder. The holder may be adjusted in any desired position, even to that in a horizontal plane, so that a book held therein may be read by a person lying on the bed or couch beneath it.

The principal advantages of our device are its adjustability, its lightness, its cheapness, and the ease with which it is secured to most articles of furniture.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. A book-holder, consisting of a single vertically adjustable rod 2 having a horizontal

- upper portion, provided with a spur wheel 4, a block 3 on said horizontal portion having a spring to engage said spur wheel, the main frame secured to said block and having the depending parts 6, said depending parts being provided with the outwardly extending arms 8, and the springs 13 arranged to slide in openings in said block and on said depending parts 6, substantially as described.
2. A book-holder, consisting of a single vertically adjusting rod 2 having the horizontal upper portion, provided with the spur-wheel 4, the block 3 on said horizontal portion having springs to engage said spur-wheel, the main frame secured to said block and having the depending parts 6, said depending parts 6 being provided with the outwardly extending arms 8, and said frame extending above said block and having the cross-bar portion 10 provided with a spring 11, substantially as described and for the purpose specified.
3. A book-holder, consisting of the vertically adjusting rod 2 having a horizontal upper portion, said upper portion being provided with a spur-wheel, the block 3 carried by said horizontal portion and having a spring to engage said spur-wheel, the main frame carried

by said block, having the upwardly extending part to support a newspaper, and the downwardly extending parts 6, said downwardly extending parts being provided with the arms 8, the rest 9 carried by said arms, and a frame arranged to slide upon said depending parts 6 and in openings provided in said block.

4. A book-holder, consisting of an adjustable rod having a horizontal upper portion provided with a spur-wheel, a block carried by said upper portion and having a spring to engage said spur wheel, a frame carried by said block, said frame having the depending parts 6 and the outwardly extending arms 8, the sliding frame carried by said depending parts 6 and said block, said frame being composed of springs connected at their upper and lower ends and arranged to slide on said depending parts 6 and in openings provided in said block, substantially as described.

In testimony whereof we have hereunto set our hands this 23d day of May, A. D. 1894.

JOHN KULLBERG.

CHARLES BRUNZELL.

In presence of—

C. G. HAWLEY.

M. E. GOOLEY.