

(No Model.)

C. H. REYNOLDS.  
ARM REST FOR DESKS.

No. 598,617.

Patented Feb. 8, 1898.

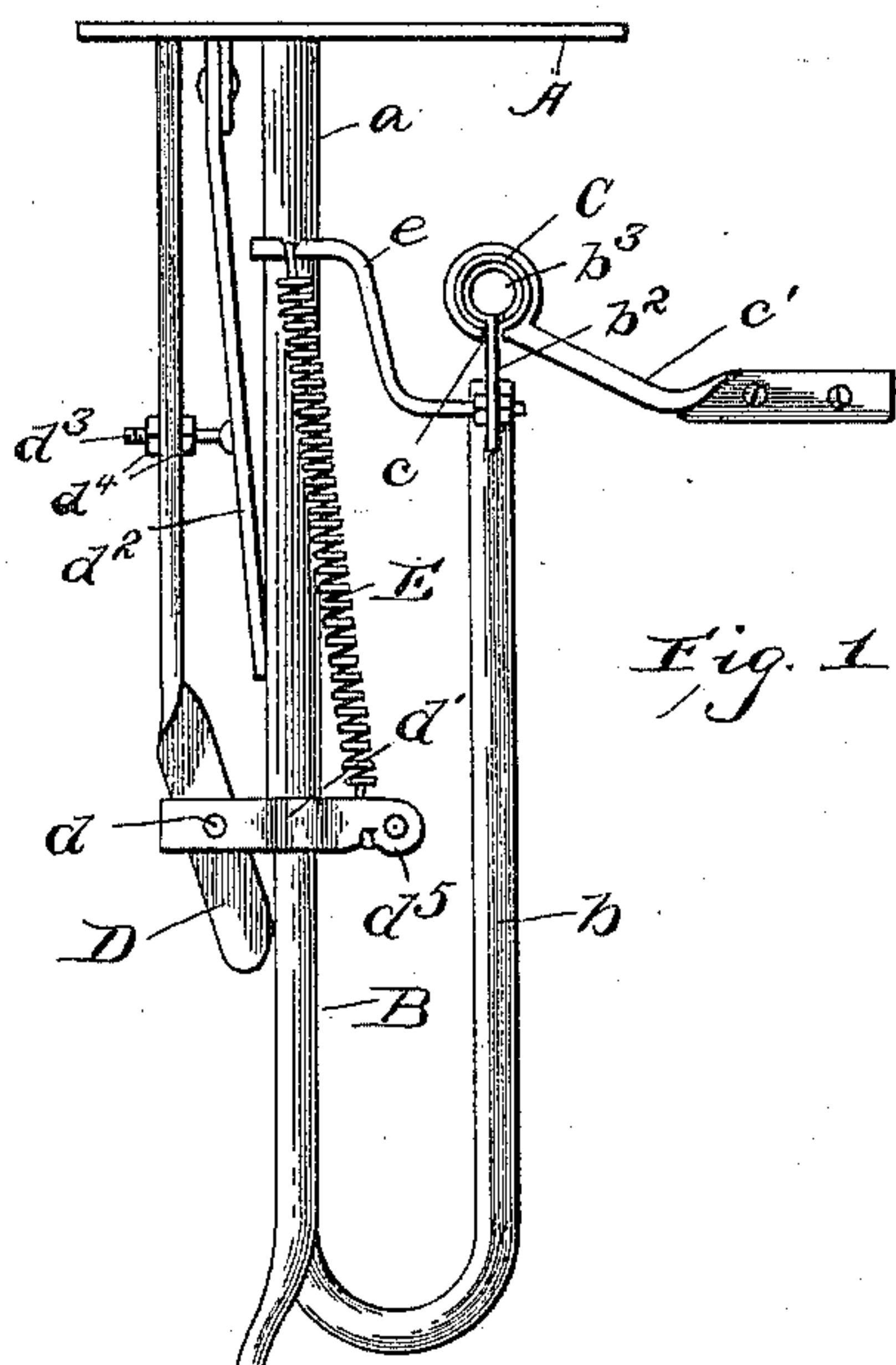


Fig. 1.

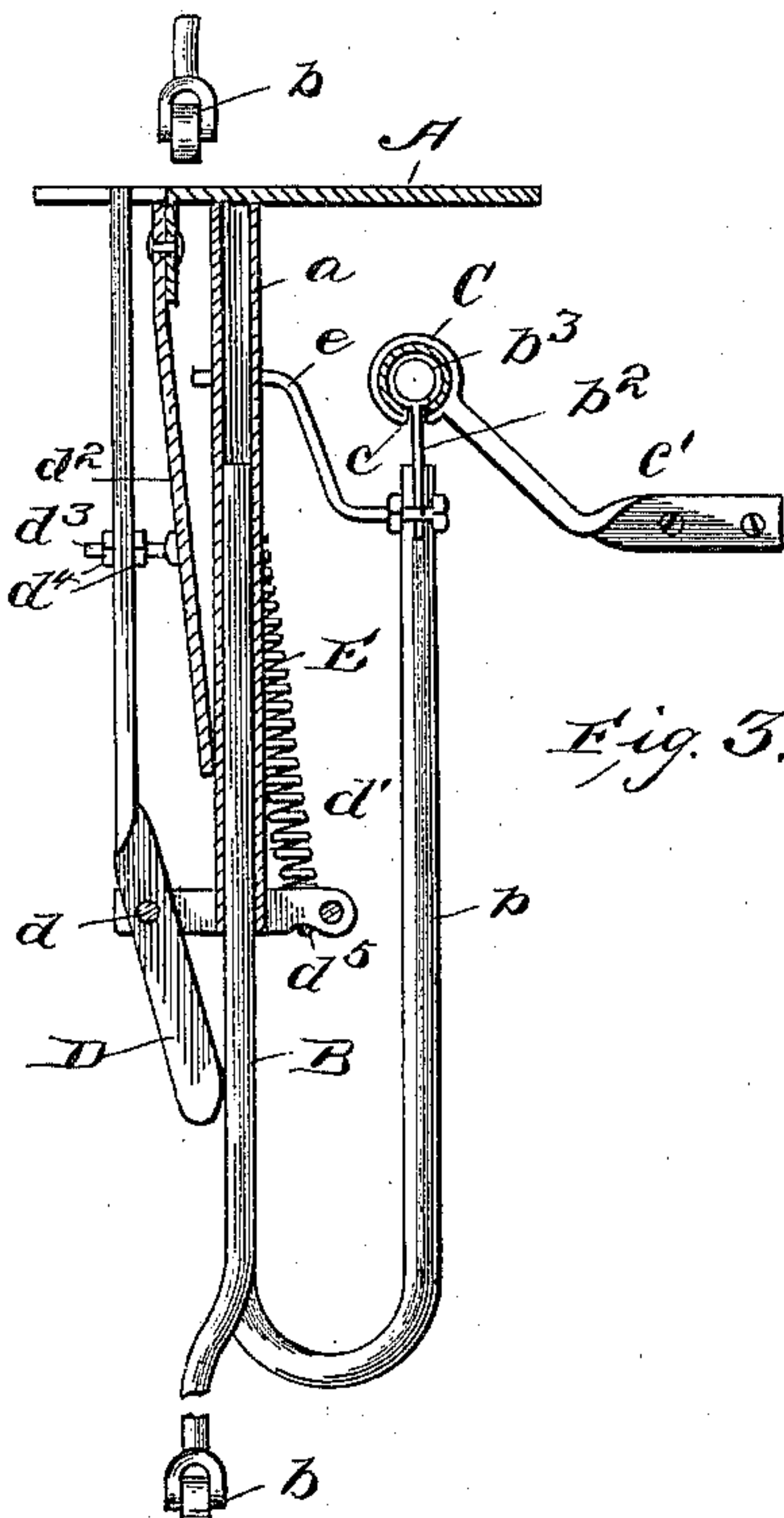


Fig. 3.

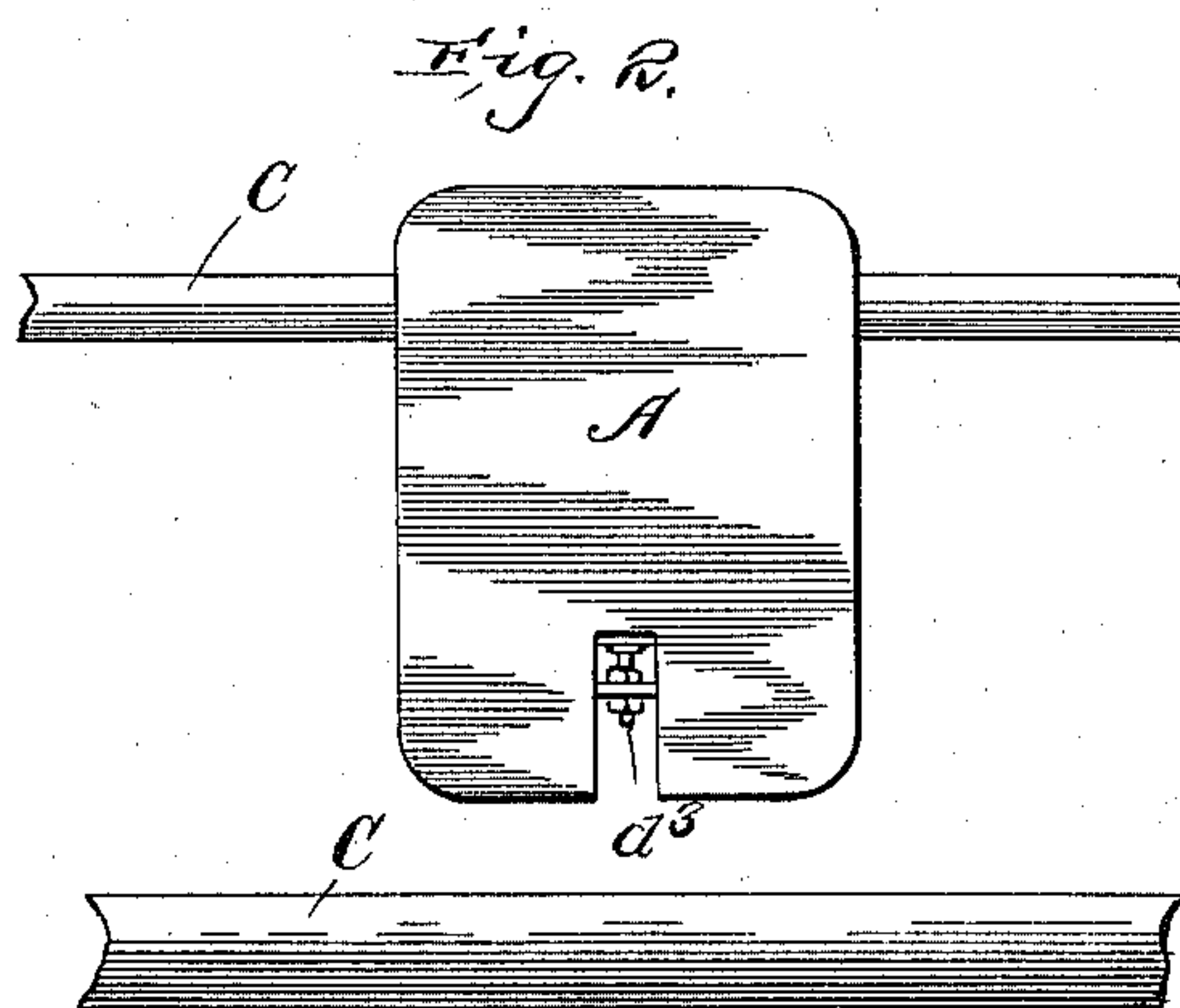


Fig. 2.

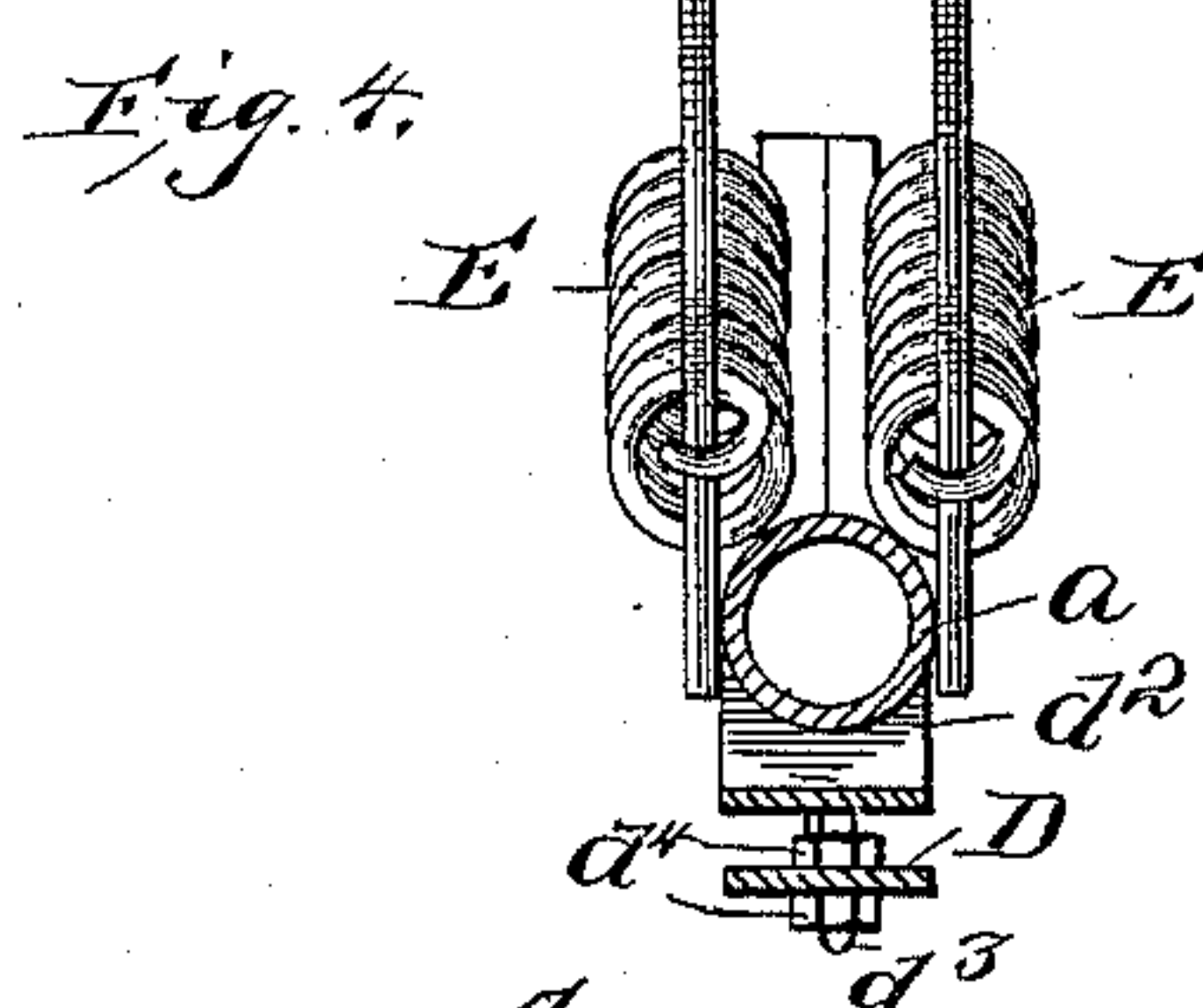


Fig. 4.

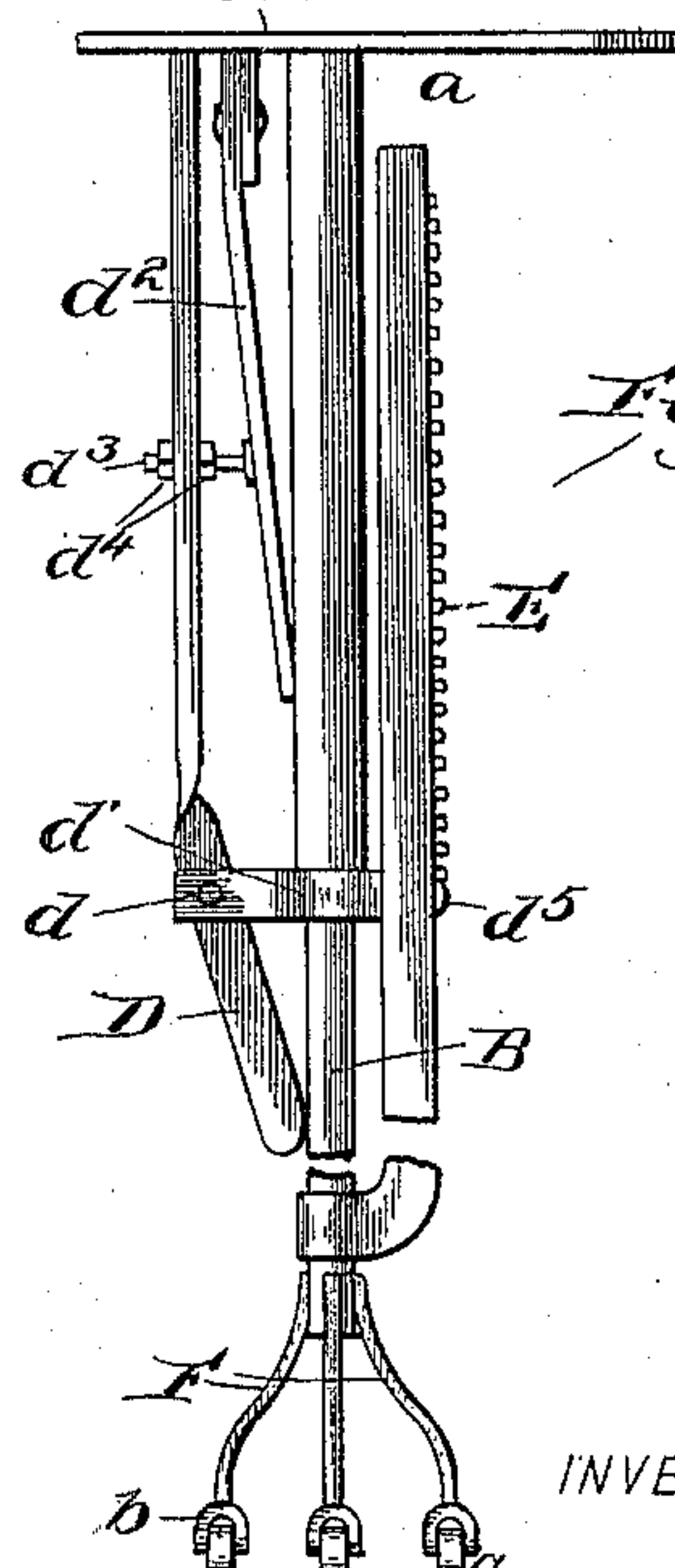


Fig. 5.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

CHARLES H. REYNOLDS, OF ST. LOUIS, MISSOURI.

## ARM-REST FOR DESKS.

SPECIFICATION forming part of Letters Patent No. 598,617, dated February 8, 1898.

Application filed October 7, 1897. Serial No. 654,402. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES H. REYNOLDS, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Arm-Rests for Desks; 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 improvements in arm-rests, more especially for desks—accountants' desks in particular.

It consists of the combination and arrangement of the parts substantially as hereinafter more fully disclosed, and specifically pointed out in the claims.

In the embodiment of my invention I make use of a suitable support, which may be a plate or board, for the arm of the writer or accountant to rest on, and secure said board or plate to a tube sleeved upon a rod or bracket adapted to be applied or connected to a desk or to a stand resting upon the floor.

In the accompanying drawings, illustrating an approved method of carrying out my invention, Figure 1 is a side elevation, and Fig. 2 a plan view, of my improved arm-rest for desks. Fig. 3 is a sectional elevation thereof, and Fig. 4 is a cross-section taken below the top plate or rest proper and above the points where the upper ends of the springs are attached for automatically elevating the rest. Fig. 5 is a modification showing the device supported from the floor upon a stand.

A refers to a plate or board for the arm of the writer or accountant to rest on, preferably of the construction shown or suitable form. It may be of metal or wood and is fixed to the upper end of a slide or tube  $a$ , sleeved or adapted to slide upon a rod or support B, preferably extended to the floor and may have a small roll or caster  $b$  at its lower end for its convenient movement thereat. Said rod or support B has an arm  $b'$ , branching off from and with its upper end about at an even height with the same end of the rod or support and bearing a preferably edgewise-disposed cross-piece or slide  $b^2$  with a rounded or cylindric upper edge portion or enlargement  $b^3$ . Said edgewise-disposed cross-piece

or slide  $b^2$  is arranged to slide in the longitudinal slot  $c$  of a tube or cylinder C, within which rests the corresponding portion or enlargement  $b^3$  of said cross-piece to permit its adjustment at any desired point along the front edge of the desk to accommodate the arm of the writer, especially as required in making entries in account-books by accountants or bookkeepers. The tube or cylinder C is arranged parallel with the front edge of the desk and suitably connected or held to the latter by arms or brackets  $c'$ , fixed to said tube or cylinder at its ends and to the desk at its sides, as shown.

D is a frictional pawl or dog fulcrumed near its lower end, it may be, upon a pivot  $d$ , held in parallel or opposed cleat-like cross-pieces or supports  $d'$ , secured to the lower end of the arm-rest slide or tube  $a$  at opposite sides as the preferable or one way of fulcruming said pawl or dog. The lower extremity or end of the pawl or dog D is adapted to bear or impinge with sufficient friction upon the rod or support B by the action of a spring  $d^2$  to hold the tube or slide  $a$  against involuntary downward movement under the weight or pressure of the writer's arm resting upon the plate or board A. The spring  $d^2$ , preferably a thin flat metal plate of the requisite resiliency, has one end adapted to bear against the tube or slide  $a$  and its opposite or upper end suitably fastened, it may be, to a bent-down extension or projection of the plate or rest A, while intermediately of said ends said spring is suitably connected or secured to the dog or pawl D. This latter connection is so effected as to preserve the normal tension of the spring D, a screw  $d^3$ , with one end fixed to said spring and fitted with jam-nuts  $d^4$  upon opposite sides of the handle of the pawl or dog D, being used for that purpose.

E E are springs, preferably coiled or helical, for automatically elevating the arm rest or plate A upon releasing the dog or pawl D, having their lower ends connected to a pin or bolt  $d^5$ , held in or between the opposite ends of the cross-pieces  $d'$ , to or between which is pivoted the pawl or dog, the upper ends of said springs being preferably connected to upwardly bent or offset or otherwise suitably provided projections or bolts  $e$ , secured to the



cross-piece or plate  $b^2$ . Of course one or both of these springs will equally serve the purpose aforesaid.

In the modification of Fig. 5 the arm-rest device is shown as being supported from the floor and entirely disconnected from the desk by means of legs F of the construction shown or other form, the details of which it is not here necessary to enter into any further than to state that T-pipe connections are employed between the rod or support B and the legs F, as shown, and that the lower ends may be provided with small rolls or casters for the obvious purpose of moving the same along the floor in adjusting the arm-rest with reference to the front edge of the desk.

It will be understood that I do not limit myself to the details of the construction and arrangement of the parts herein shown and described, as these may be varied without departing from the spirit or principles of my invention and the same remain intact.

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

1. In an arm-rest for desks, the combination of the plate or board for the arm of the writer, the support or stand having an upturned arm or branch, a slide secured to said plate or board and sleeved upon said support or stand, a laterally-sliding connection between said upturned arm and a desk, means to effect the vertical adjustment of said slide and means to automatically elevate said slide, substantially as set forth.

2. In an arm-rest for desks, the combination of the plate or board for the arm of the writer, the support or stand having an upturned arm and resting on the floor or surface, the slide secured to said plate or board and sleeved upon said support or stand, the laterally-movable slide having an enlargement and secured to the upper end of said upturned arm, the longitudinally-slotted tube adapted to receive said enlargement, with said slide passing through its slot, means to effect the vertical adjustment of said slide, and means to automatically elevate said slide, substantially as set forth.

3. In an arm-rest for desks, the combination of the plate or board, its carrying-tube, the rod or bracket having said tube sleeved thereon, the cross-piece secured to an arm of said bracket and having projections thereon, the seat-like cross-pieces at the lower end of said tube; the springs, with their upper ends secured to said projections and their lower ends secured between cleat-like cross-pieces, and the spring-pressed pawl or dog, also pivoted near its lower end between said cleat-like cross-pieces, with its extreme lower end bearing upon said bracket or rod, substantially as specified.

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

CHAS. H. REYNOLDS.

Witnesses:

B. T. KEININGHAM,  
WM. G. HUGHES.