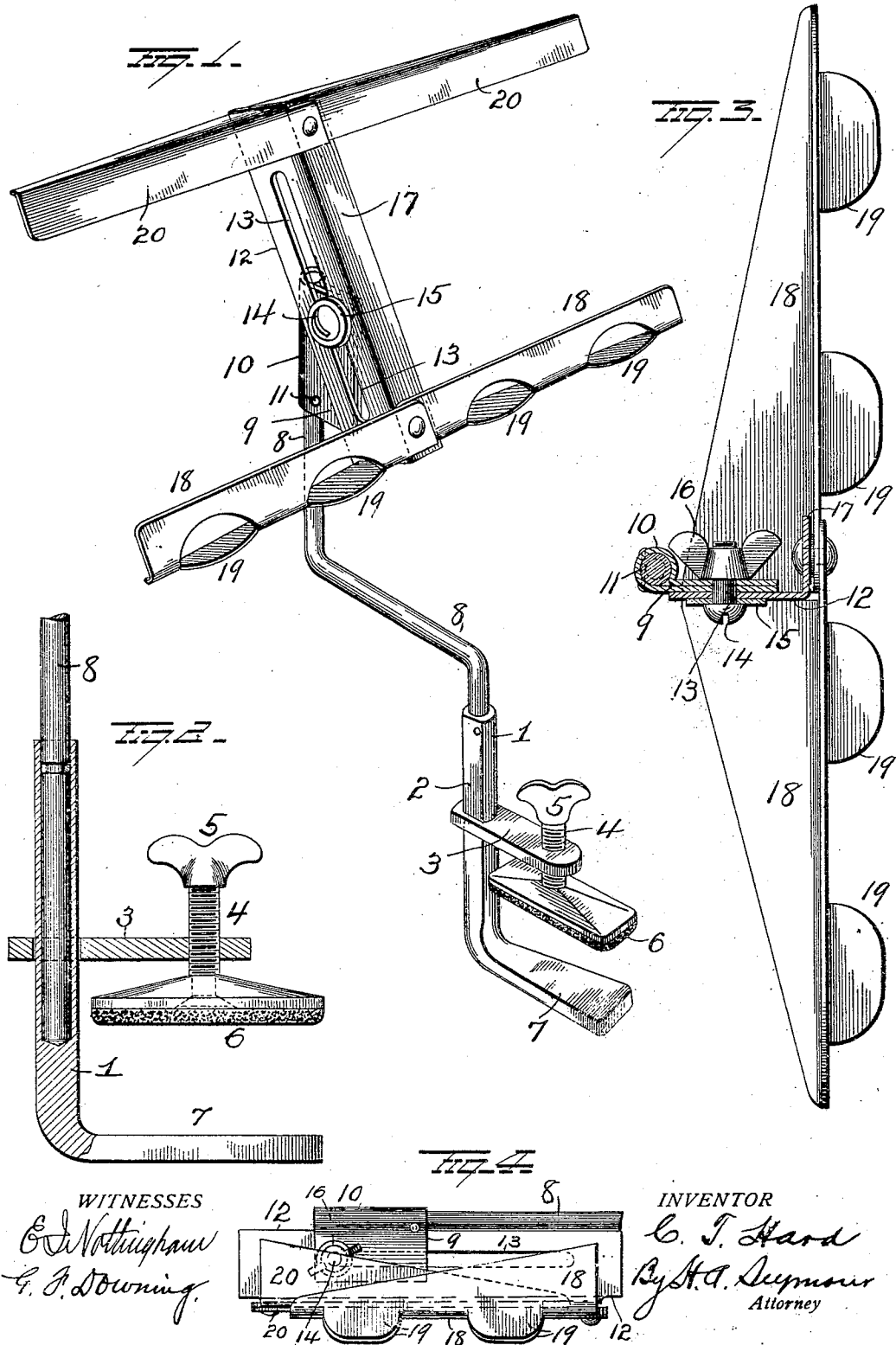


C. T. HARD.
 ADJUSTABLE SUPPORT FOR BOOKS, PAPERS, &c.
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ADJUSTABLE SUPPORT FOR BOOKS, PAPERS, &c.

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To all whom it may concern:

Be it known that I, CHARLES T. HARD, of East Liverpool, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Adjustable Supports for Books, Papers, &c.; 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.

This invention relates to improvements in adjustable supports for books, papers, etc., and more particularly to such as are adapted for attachment to the arm of a chair,—the object of the invention being to provide a support of the character described which shall be simple and light in construction; which can be folded into compact form; which can be easily and quickly attached to the arm of a chair without injury to the latter and adjusted to any position to suit the convenience of the user, and which can be cheaply manufactured without detracting in any way from its efficiency.

With these objects in view the invention consists in certain novel features of construction and combinations of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawings,—Figure 1 is a view showing the application of my invention. Fig. 2 is a detail view illustrating the clamping means for attaching the device to the arm of a chair. Fig. 3 is a view in section showing the adjustable book supporting devices, and Fig. 4 is a view illustrating the book support in its folded position.

1 represents a tubular post preferably having at least one flat face 2 and provided at its lower end with an integral laterally projecting portion which constitutes a fixed jaw to be disposed under the arm of a chair.

An arm 3 is vertically movable on the post 1 and is provided near its free end with a threaded hole for the passage of a screw 4 having a cross-head or other hand engaging means 5 at its upper end. A padded jaw 6 is swiveled to the lower end of the screw 4 and coöperates with the fixed jaw 7 to form a clamp. The padded jaw is made to engage the top surface of the arm of a chair by moving the arm 3 downwardly. The

arm 3 will now be held to the post 1 by frictional contact and be prevented from turning on said post by the flat face 2 of the latter. The clamp will then be tightened on the arm of the chair by turning the screw 4 and thus forcing the padded jaw tightly against the arm of the chair, at the same time increasing the frictional contact between the vertically movable arm 3 and the post 1.

The lower portion of a bent standard 8 is revolubly mounted in the post 1 and may be prevented from removal by means of a pin passing through the post and through an annular groove in the standard.

A bracket 9 is revolubly mounted on the upper end of the standard 8 and this bracket may consist of a piece of sheet metal bent upon itself and having its intermediate portion made tubular as shown at 10 to receive the upper end of the standard. Removal of the bracket 9 from the standard is prevented by means of a pin 11 passing through the former and engaging in an annular groove in the latter. The bracket 9 supports a bar 12 having an elongated slot 13 for the passage of a screw 14,—said screw being provided at one end with a head to engage a washer 15 which bears against one face of the bar 12. The screw 14 passes through the elongated slot of the bar 12 and through the bracket 9 and at its free end is threaded for the reception of a thumb nut 16. By these means the bar 12 can be adjusted to different vertical positions and at different angles and be secured in any position on the bracket 9 to which it may be adjusted. The bar 12 is provided at its upper edge with a laterally projecting flange 17 which terminates at its respective ends short distances from the respective ends of said bar.

Two angular arms 18 are pivotally connected together and to the laterally projecting flange 17, near the lower end of the latter, so that the depending members of said angle arms will engage respective faces of the bar 12 and retain said arms in a horizontal position. Each arm 18 is provided with lugs or projections 19 which may be formed integral with said arms and constitute supports for the book or other article that may be placed upon the device. The upper portion of the book or other article will be supported by angular arms 20 pivotally attached at their inner ends to the upper

portion of the flange 17 of bar 12 and one member of each of these arms is adapted to engage the bar 12 near the end of the latter.

The bracket 9, the bar 12 and all of the arms 18 and 20 may be made of sheet metal and hence the device will be light in weight, easy to construct, but have sufficient strength to properly support in any of the positions to which it may be adjusted, a book or other article of considerable size and weight.

When the device is not in use the arms 18 and 20 can be folded so as to interlock and be disposed over each other and over the bar 12 as shown in Fig. 4, thus reducing the device to small compass.

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

1. In a device of the character described, the combination with a clamp and a standard revolubly supported thereby, of a bracket revolubly supported by the standard, a bar adjustably supported by the bracket, and foldable supporting arms pivotally connected with the respective ends of said bar.

2. In a device of the character described, the combination with a standard and means for revolubly supporting the same, of a bracket revolubly mounted on said standard, a bar having an elongated slot, a clamping screw passing through bracket and the elongated slot in the bar, arms pivotally attached to the lower portion of said bar and provided with supporting means for a book or other article, and arms pivotally attached to the upper portion of said bar.

3. In a device of the character described, the combination with a standard and means

for adjustably supporting the same, of a bracket revoluble on the standard, a bar adjustably attached to said bracket, arms attached to the lower portion of said bar and foldable on the latter, said arms having supporting means for a book or other article, and foldable arms attached to the upper portion of said bar.

4. In a device of the character described, the combination with a standard and means for supporting the same, of a bracket revolubly mounted on said standard, a bar adjustably attached to said bracket and provided on its upper edge with a laterally projecting flange, and arms made angular in cross-section and hinged to said flange, one member of each arm adapted to engage the bar to limit the downward movement of said arms and each of said arms provided with supporting means for a book or other article.

5. In a device of the character described, the combination with a standard and a bracket thereon, of a bar adjustably attached to said bracket and provided at one edge with a laterally projecting flange, foldable arms pivotally attached to said flange near the respective ends thereof and adapted to engage said bar and supporting means for a book or other article projecting from the lower foldable arms.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

CHARLES T. HARD.

Witnesses:

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