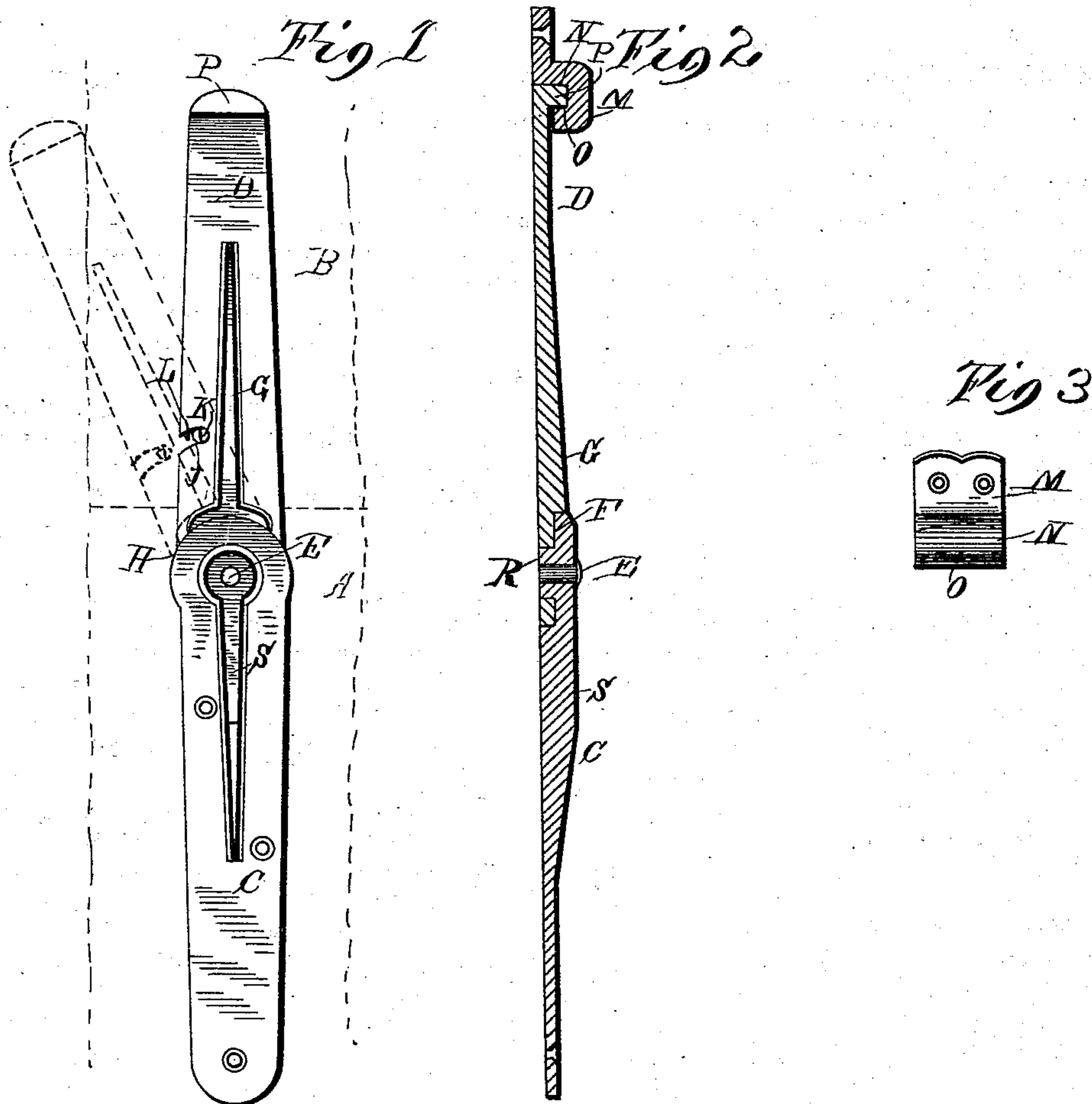


(No Model.)

J. KADEL & E. DILL.
FURNITURE ATTACHING DEVICE.

No. 455,566.

Patented July 7, 1891.



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UNITED STATES PATENT OFFICE.

JOHN KADEL AND ELLSWORTH DILL, OF ROCK FALLS, ILLINOIS.

FURNITURE-ATTACHING DEVICE.

SPECIFICATION forming part of Letters Patent No. 455,566, dated July 7, 1891.

Application filed August 16, 1890. Serial No. 362,197. (No model.)

To all whom it may concern:

Be it known that we, JOHN KADEL and ELLSWORTH DILL, both citizens of the United States, residing at Rock Falls, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Furniture-Attaching Devices; and we do declare the following to be 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Our invention relates to improvements in devices for removably attaching contiguous bodies, and has more particular application to furniture where one portion normally rests on the other.

In this specification our invention is shown as utilized in attaching a mirror-frame to an ordinary dressing-case or bureau; but the function of our invention being substantially the same in the various situations in which it is applicable, and the required changes being obvious or mainly in the different positions of our invention, we do not deem it necessary to show or describe the latter any farther than will render intelligible its construction and mode of operation.

We attain the objects above named by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 illustrates our invention as applied to the rear side of a portion of a dressing-case and mirror-frame thereon. Fig. 2 is a central longitudinal section of our invention. Fig. 3 is a detail of the clip or ear M, showing curved wall O in dotted line.

Our invention is utilized in duplicate, each the counterpart of the other with the necessary interval between them, so that it will be necessary to describe only one of said duplicates.

A is a portion of the rear side of a dressing-case or bureau.

B is a part of the usual frame, within which is inclosed and suspended at various altitudes the ordinary mirror.

C is a suitable plate, preferably of malleable iron, and of any desired configuration, artistic or otherwise, and adapted to be rigidly

attached at the proper location to the rear side of the dressing-case A.

D is an arm adapted, as hereinafter described, to be removably attached to the mirror-frame B and pivotally attached at its lower end to the upper end of the plate C by means of a circular boss R, formed on the inner face of C. The plate C is preferably attached, as aforesaid, by means of a suitable number of screws, or it may consist simply of a pivot-seat for the arm D. The inner face of the arm D and plate C are on substantially the same plane.

An underlying recess F is formed in the inner face of the upper end of the plate C to permit the insertion and rotation therein of the lower end of the arm D, so that the inner faces of parts C and D may be on the same plane as aforesaid. The upper end of the plate C, when made elongated, as shown, is given a curved form H, and a longitudinal rib G is formed on the outer face of the arm D integral therewith in position to have its lower end conform to and abut against the curvature H aforesaid of the plate C, and thereby strengthen the pivoted connection of said parts against backward strain. A screw-seat J is formed in the inner edge of the arm D, and a screw K is partially inserted in the rear of the frame B in location to enter or emerge from the screw-seat J through a lateral oblique opening L in the latter in the lateral oscillation hereinafter named of the arm D.

M is an ear provided throughout with a transverse slot or recess N and rigidly attached to the frame B with said slot downward and inward. The lower wall O of the slot N is given a curved formation laterally, and the ear M at the locality of said slot is thrown outward from the frame B sufficiently to permit the flat portion of the arm D to pass between the margin of the wall O and the back of the frame B, and also to permit a lug P, formed externally on the upper end of the arm D and across the latter to enter the slot or recess N in the lateral swing of said arm.

The operation of our invention is as follows: The part C is vertically attached in any suitable mode to the rear side of the dressing-case A in such position that its upper end will

be coterminous with the upper surface of said case, and the ear M is attached to the rear side of the frame B at the proper locality thereon to receive the upper end of arm D when the latter is thrown into position. The arm D therefore, extending laterally from the upper end of the plate C and pivoted thereto, is turned upward to constitute a vertical prolongation of the plate C when the lug P thereon enters one end of the slot N of the ear M, and the screw K enters through the opening L into the screw-seat J and prevents its farther movement in that direction. By suitably changing the locality of screw K on frame B the arm D can be placed diagonally, as shown in dotted lines. The curved formation of the lower wall O of the slot N causes the arm D as it enters said slot to draw the parts A and B tightly together. When the plate C and arm D are in substantially the same line the attachment of said arm at the ear M and at the screw-seat J has the effect of holding the parts A and B rigidly together. When it is designed to separate the parts A and B for removal or shipment, it is necessary only to move the arm D laterally out of engagement with the slot N and screw K, when said arm can be folded down below the plane of the upper surface of the case A, so as not to interfere with the moving or packing of the latter. In order that the lug P may readily enter the slot N, it will be necessary either to give the upper wall of said slot N a concave formation or the upper extremity of the arm D a circular form.

If the imposed portion B shall be composed of two parts, our device may be inverted and the plate C attached to both of said imposed bodies by the proper distribution of screw-holes in said plate. A central longitudinal rib S is formed externally on the plate C to strengthen the latter. The plate C and arm D may be used at different angles with each other by changing the locality of screw K.

What we claim as our invention, and desire to secure by Letters Patent of the United States, is—

1. As an attachment to a dressing-case or similar article, the combination of a base secured thereto, an arm pivotally secured at one end to the base, so as to swing laterally, and a clamp for retaining the opposite end of the arm, said clamp and the contacting portion of the arm being inclined relatively to each other, whereby the pieces of furniture are drawn toward each other when the arm is swung into engagement with the clamp, substantially as described.

2. As a means of removably attaching an imposed body upon a dressing-case or similar article, the combination of the plate C, provided with recess F, attached to said case, the arm D, having its lower end pivoted laterally to the upper end of the plate C and provided at its upper extremity with an external lug P, the ear M, rigidly seated on said imposed portion and provided with the lateral slot N, adapted to receive the lug P in the lateral oscillation of the arm D, and the intermediate screw-seat J and screw K, substantially as shown, and for the purpose described.

3. As an attachment for securing two articles together, the combination of an arm adapted to be pivotally connected with one of the articles, so as to swing laterally, said arm being provided with an externally-formed lug upon its free end and having a slot in one side or edge, and an ear for engaging with the lug and a pin to fit in the slot, substantially as described.

4. In combination with two parts of an article of furniture, an arm D, pivotally attached at one end to one of said parts and adapted to swing laterally into and out of engagement with the other part, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN KADEL.
ELLSWORTH DILL.

Witnesses:

WALTER N. HASKELL,
ADDA E. WARD.