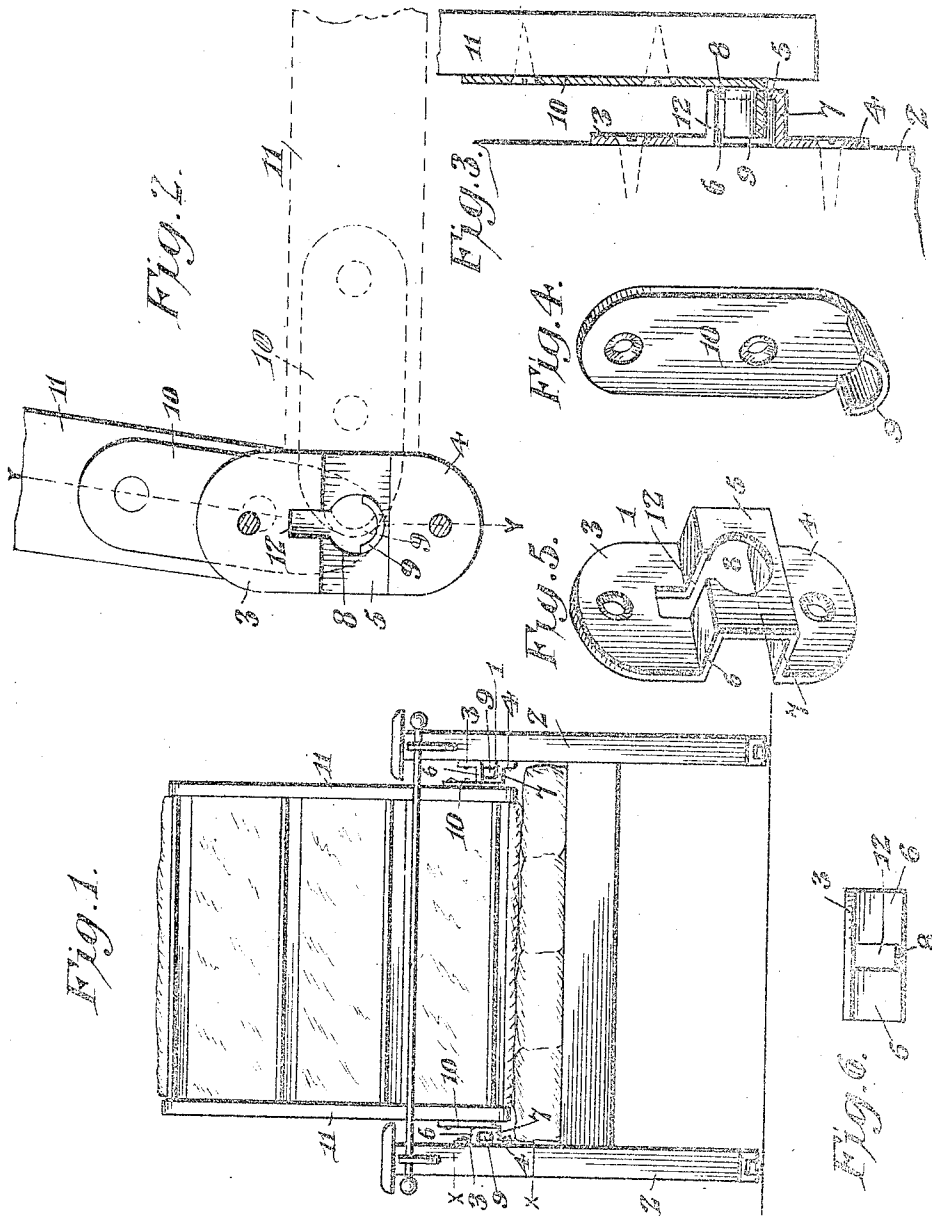


No. 877,766.

PATENTED JAN. 28, 1908.

C. L. GREILICK.
HINGE FOR MORRIS CHAIRS, &c.
APPLICATION FILED AUG. 16, 1907.



Witnesses
Jas. E. McCathran
H. J. Piley

C. L. Greilick, Inventor
By *E. J. Higgins*
Attorney

UNITED STATES PATENT OFFICE.

CLARENCE L. GREILICK, OF TRAVERSE CITY, MICHIGAN, ASSIGNOR TO THE TRAVERSE CITY CHAIR CO., OF TRAVERSE CITY, MICHIGAN, A COPARTNERSHIP.

HINGE FOR MORRIS CHAIRS, &c.

No. 877,786.

Specification of Letters Patent.

Patented Jan. 29, 1906.

Application filed August 16, 1907. Serial No. 388,856.

To all whom it may concern:

Be it known that I, CLARENCE L. GREILICK, a citizen of the United States, residing at Traverse City, in the county of Grand Traverse and State of Michigan, have invented a new and useful Hinge for Morris Chairs, &c., of which the following is a specification.

The invention relates to improvements in hinges for Morris chairs, etc.

The object of the present invention is to improve the construction of hinges having separable members to provide a simple, strong, and durable hinge of this character adapted to be cheaply manufactured, and capable of permitting a separation of its parts only when the back of the Morris chair is in a horizontal position.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size, and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing, Figure 1 is a rear elevation of the Morris chair provided with hinges constructed in accordance with this invention. Fig. 2 is a detail sectional view on the line X—X of Fig. 1. Fig. 3 is a sectional view taken substantially on the line y—y of Fig. 2. Fig. 4 is a detail perspective view of the pivot plate. Fig. 5 is a similar view of the supporting member or bracket. Fig. 6 is a plan view of the same illustrating the form of the entrance slot.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

1 designates a supporting member or bracket, designed to be secured to the inner faces of the sides or arms 2 of a Morris chair, as clearly illustrated in Fig. 1 of the drawing. The bracket or supporting member of the hinge may be conveniently stamped from a single piece of stout sheet metal, or it may consist of a casting, or be formed in any other preferred manner. It embodies upper and lower attaching portions or ears 3 and 4, and an intermediate horizontally projecting off-set bearing portion, substantially U-

shaped in vertical section, and consisting of a vertical outer wall 5 and upper and lower horizontal connecting walls 6 and 7. The attaching portions 3 and 4 are provided with counter-sunk openings for the reception of screws or other suitable fastening devices for securing the supporting member or bracket to the side or arm 2, and the vertical wall 5 is provided with a circular bearing opening 8 to receive a pivot portion 9 of a pivot plate or member 10.

The pivot plate or member 10 is provided with counter-sunk openings for the reception of screws for securing it to the side edges of the frame of the back 11 of the Morris chair, and it is constructed of sheet metal or other suitable material. The pivot portion 9 consists of a horizontal projecting flange, arranged at the lower end of the plate 10, and curved transversely, as clearly shown in Fig. 4 of the drawing. The curved flange, which is approximately semi-cylindrical, has a lower convex bearing face to fit the bottom of the circular bearing opening 8. The curved flange is introduced into and removed from the opening in an edgewise position, when the back of the Morris chair is in substantially a horizontal position, as illustrated in dotted lines in Fig. 2, and the upper connecting wall 6 and the lower end of the upper attaching portion 3 of the supporting member or bracket are provided with a narrow entrance slot 12. The curved flange, by being of greater width than the entrance slot, prevents the back from becoming disconnected from the arms when it is in an inclined position in use.

While the separable hinge is shown applied to a Morris chair, yet it will be readily understood that it may be advantageously employed wherever a hinge of this character is desired.

It will be noted that the opening 8 does not extend down to the lower connecting wall 7 so that when the pivot 9 is in place, it is spaced above and out of contact with the said lower connecting wall. Moreover, the length of the pivot 9 is less than the length of the off-set bearing portion.

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

A separable hinge of the class described comprising a supporting member or bracket having upper and lower attaching portions

or ears provided with an intermediate projecting off-set bearing portion consisting of a vertical wall having a circular bearing opening, and upper and lower horizontal connecting walls, the upper connecting wall 5 and the upper attaching portion being provided with a narrow entrance slot extending to and in communication with the bearing opening, and a pivot plate or member provided with a projecting substantially semi-cylindrical flange forming a pivot and pre- 10 senting a lower convexed bearing face, said

flange being adapted to be passed edgewise through the entrance slot, the bearing opening being above the lower connecting wall so as to space the pivot out of contact with said wall. 15

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CLARENCE L. GREILICK.

Witnesses:

HELEN ABBOTT,

FRANK H. LENNOX.