(No Model.)

W. ANDREW.

HINGE.

No. 395,196. Patented Dec. 25, 1888.

Fig. 1.

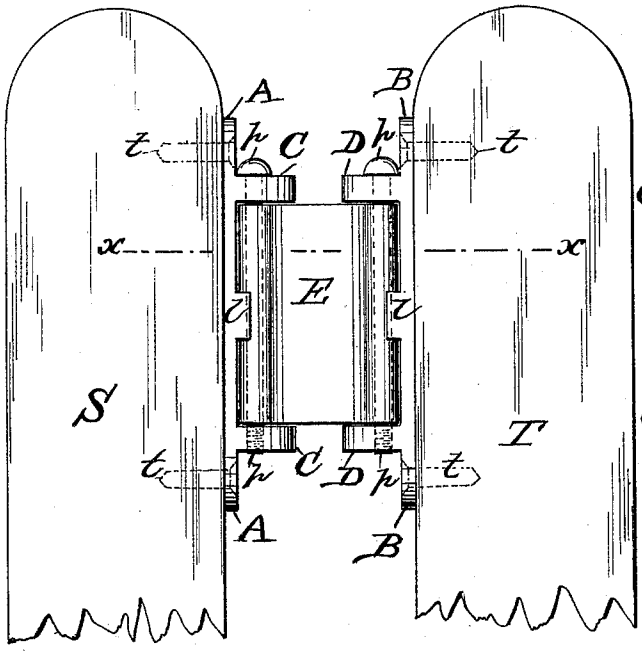


Fig. 2.

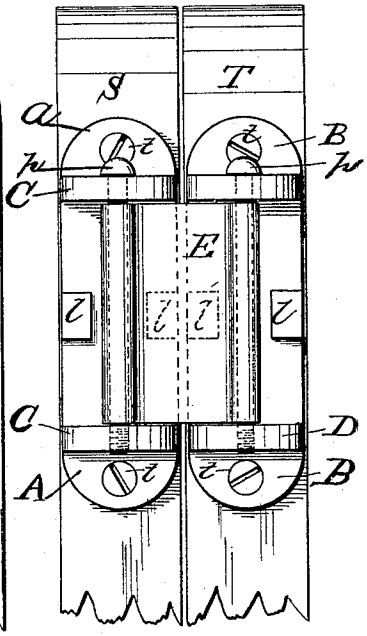


Fig. 3.

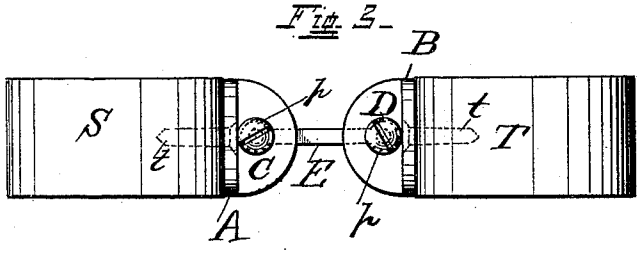


Fig. 4.

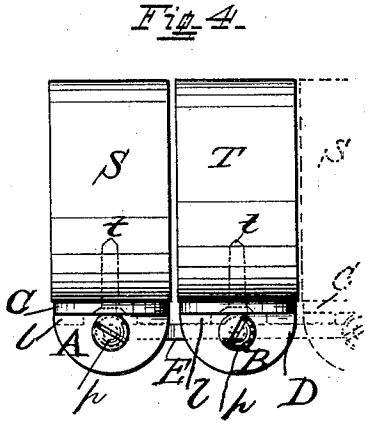
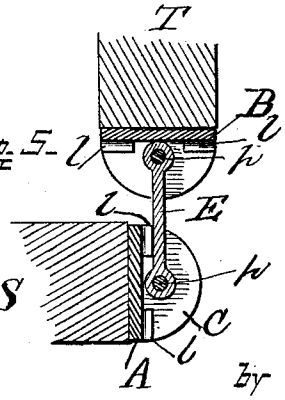


Fig. 5.



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UNITED STATES PATENT OFFICE.

WILLIAM ANDREW, OF CINCINNATI, OHIO.

HINGE.

SPECIFICATION forming part of Letters Patent No. 395,196, dated December 25, 1888.

Application filed February 20, 1888. Serial No. 264,628. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ANDREW, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented a certain new and useful Improvement in Hinges, of which the following is a specification.

My invention relates more particularly to hinges adapted for application to such articles as clothes-horses, where the parts composing the frame can be reversely folded together or collapsed either partially or wholly in a right or left direction. These hinges can also be applied to screen-doors which are to swing open either from the inside or outside.

The features of my invention will be understood from the description hereinafter given and by reference to the accompanying drawings, forming part of my application, in which—

Figure 1 is an elevation showing my hinge open and attached to the legs of a clothes-horse, the upper portion of the legs only being shown, as that part will sufficiently illustrate what is intended. Fig. 2 is an elevation showing the hinge in its closed position. Fig. 3 is a top view of Fig. 1. Fig. 4 is a top view of Fig. 2, the dotted lines to the right representing the position assumed by the parts when one of them is swung clear around and in juxtaposition to the other. Fig. 5 is a cross-section taken through the line x x, Fig. 1, assuming the parts to be partially swung around—that is, the connecting barrel or link being stopped by a lug for that purpose on the attaching-plate, but the legs themselves not being contiguous to each other.

My hinge is composed of attaching-plates A B, which are provided with top and bottom lugs or ears, C D. Between these lugs and the plates A B fits a connecting-link or barreled piece, E, which is held in position by means of pins p, passed through them and the lugs C D, as shown. These pins may be secured in any suitable manner, as by being screwed into the lower lugs, as indicated in the drawings.

l l are lugs on each side of both the attaching-plates A B. Said lugs act as stops to hold the link E and prevent its assuming a deflecting attitude after a certain point has been reached. It will be observed that the sides of link E are barreled or raised, thus leaving the intermediate portion shallow.

The lugs l correspond in height to the rises indicated, so that when the link is brought into juxtaposition with the said lugs further progress of the link is arrested, and it will occupy a position parallel with the flat surfaces of the attaching-plates A or B, according to which of the two it is thrown against. These are the features of my hinge, which, as a whole, can be attached to the door and door-casing or the rails forming the legs of a clothes-horse, as the case may be, by fastening the plates A B thereto by means of screws or nails, as indicated in the drawings, the letters S T representing the legs of the clothes-horse, while t t show the fastening-screws.

Now, then, the hinge being attached as shown, and being in the position indicated by Fig. 1, should it be desired to fold or collapse parts S T, one of them, as T, is turned till the link E strikes the lugs l, as seen in Fig. 5. Then said leg T, being loosely joined to the link, can be turned so as to be brought contiguous to leg S, as seen in Figs. 2 and 4, and the end accomplished. Either of the parts can be turned so as to occupy a position reversed from that which it formerly held, as indicated by the dotted lines in Fig. 4. There it will be seen that the leg S, as indicated by the solid lines, may be turned over to the opposite side, as shown by the dotted lines, or the action may be vice versa.

I am aware of the existence of hinges as patented to Pfauntz and Frank April 4, 1882, and J. A. Ludlow August 16, 1887. These I do not claim; but

What I do claim, and desire to secure by Letters Patent, is—

A reversible hinge consisting of attaching-plates A B, provided with plain perforated ears C D, separated from each other, and arresting-lugs l, in combination with link E, which occupies a position between plates A B and ears C D, and whose sides are perforated for the reception of retaining-pins p, the exteriors of the perforated portions being raised above the middle of the plate a proportionate distance, substantially as shown and described, and for the purposes noted.

WILLIAM ANDREW.

Witnesses:
W. ELLWOOD WYNNE,
JOHN S. ANDREW.