(No Model.)

J. E. WAKEFIELD.

SCREEN.

No. 291,246. Patented Jan. 1, 1884.

Fig. 1.

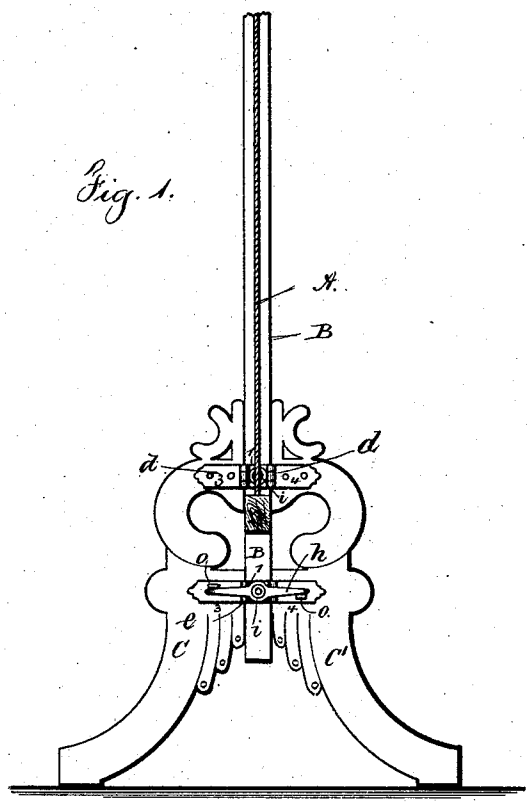


Fig. 3.

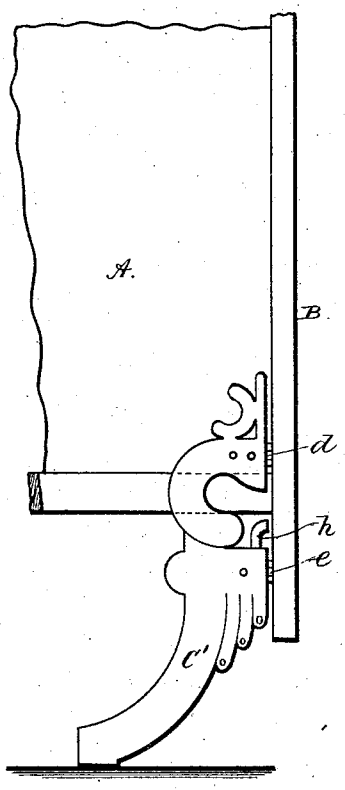
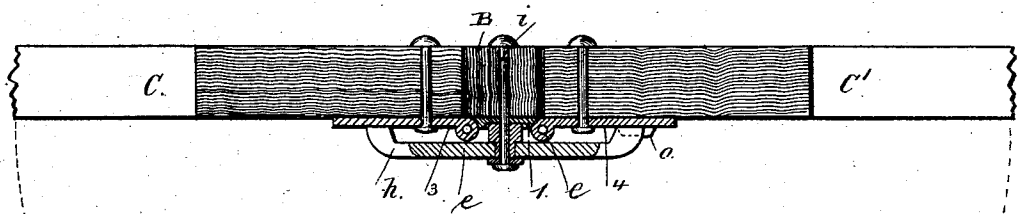


Fig. 2.



Witnesses/
Harold Serrell
Chas H. Smith

Inventor
per John E. Wakefield.
Samuel W. Serrell,
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N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

JOHN E. WAKEFIELD, OF WORCESTER, MASSACHUSETTS.

SCREEN.

SPECIFICATION forming part of Letters Patent No. 291,246, dated January 1, 1884.

Application filed June 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. WAKEFIELD, of Worcester, in the State of Massachusetts, have invented an Improvement in Screens, of which the following is a specification.

Fire and other screens have been made of frames upon which cloth or other material is stretched, and the end legs or supports have been hinged, so that the cross part of the legs may be turned into the same plane, or nearly so, as the screw, in order that such screen may occupy less space when packed away or when being transported.

My present invention is for facilitating the folding of the legs by hinging them in such a manner that the two parts of each pair of legs can be folded toward each other, thereby occupying but little space, and these legs when unfolded are firmly secured so as not to become displaced in moving the screen.

In the drawings, Figure 1 is an elevation of the legs, the screen being in section. Fig. 2 is a sectional plan view in larger size at the hinge, and Fig. 3 is a partial elevation with the legs folded.

The screen A is of any desired character. There is a vertical end piece, B, at each edge of the screen. This usually projects more or less below the lower edge of the screen, but where the screen comes down to the floor the end pieces, B, may form the end portions of the screen-frame or else be screwed thereto. The legs are usually in pairs at each end of the screen, but under some circumstances a single pair of legs may be used. The legs C C′ are hinged to the end piece, B, by hinges *d e*, so that such legs may fold toward each other, and at opposite faces of or below the screen, so as to occupy but little space in addition to that required by the screen itself, and when unfolded at right angles to the screen the vertical edges of the legs at the hinges come against the edges of the bar B and limit the opening movement of the legs, and in this position such legs are rendered rigid by hooks and eyes or similar appliances. I however prefer to make the hinges *d e* each in three parts, the middle portion, 1, being screwed or riveted firmly to the end piece, B, and the two leaves 3 and 4 being screwed or pivoted to the respective parts C C′ of the pair of legs. The rivet *i*, passing through the central part, 1, of the hinge, passes also through a collar or a projection on the hinge, and it is riveted up to secure the hinge, and the collar forms the pivot for the turning button *h*, that is confined by the rivet-head or a washer, but it turns freely, and the ends of the button, when the legs are unfolded, press upon the surfaces of the leaves 3 and 4, and stiffen the hinges, keeping the legs in place. It is preferable to employ lugs at *o o* upon the leaves 3 4 of the hinges to limit the movements of the turning button.

I claim as my invention—

1. The combination, with the screen having vertical end pieces, B, of the legs C C′ at each side of each end piece, and the three-part hinges *d e*, connected to said legs and end pieces, whereby the legs are attached to the vertical end piece and rendered capable of folding toward each other, substantially as set forth.

2. The combination, with the screen having vertical end pieces, of legs and three-part hinges, the outer leaves of the hinges being screwed to the legs and the central leaf being attached to the end pieces of the screen, and a turning button secured upon a pivot to the central leaf, substantially as set forth.

3. The combination, with the screen having vertical end pieces and legs, of hinges to connect the legs to the end piece of the screen and allow the legs to be folded toward each other, and a turning button to retain the legs in a distended position, substantially as set forth.

4. The combination, with the screen and legs, of a three-part hinge and a turning button to stiffen the hinge, such turning button being upon a pivot attached to the central part of the hinge, substantially as set forth.

Signed by me this 12th day of June, A. D. 1883.

JOHN E. WAKEFIELD.

Witnesses:
GEO. T. PINCKNEY,
WILLIAM G. MOTT.