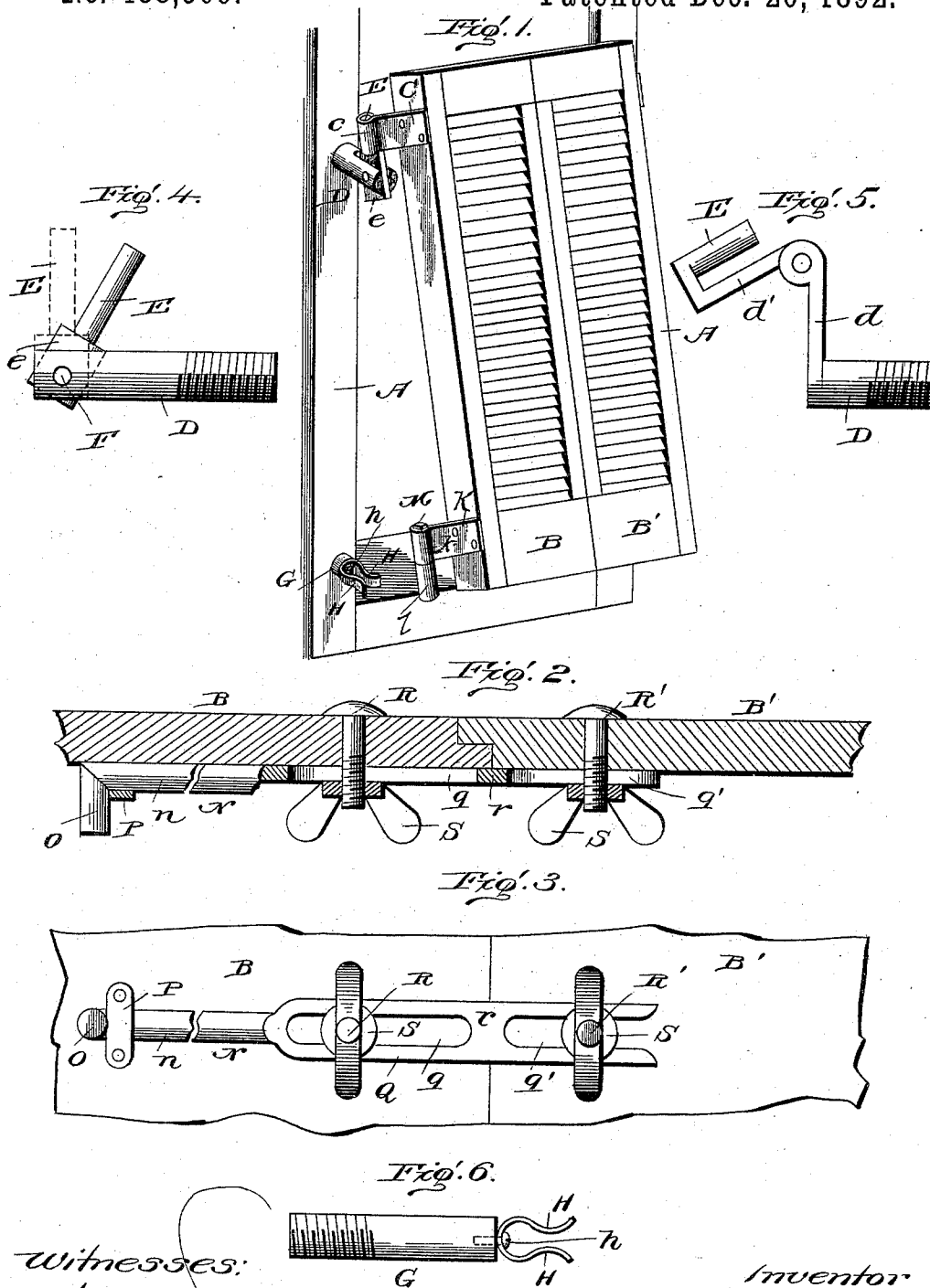


(No Model.)

J. SWEENEY.
AWNING BLIND HINGE.

No. 488,509.

Patented Dec. 20, 1892.



Witnesses:

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UNITED STATES PATENT OFFICE,

JOHN SWEENEY, OF NEW HAVEN, CONNECTICUT, ASSIGNOR OF ONE-HALF
TO JAMES GRAHAM & CO., OF SAME PLACE.

AWNING-BLIND HINGE.

SPECIFICATION forming part of Letters Patent No. 488,509, dated December 20, 1892.

Application filed January 13, 1892. Serial No. 418,001. (No model.)

To all whom it may concern:

Be it known that I, JOHN SWEENEY, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Awning-Blind Fixtures; 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.

My invention relates to improvements in fixtures for awning blinds, and the objects are, first, to provide fixtures by means of which the blinds can be used in the ordinary manner and also operated to serve as awnings; and, secondly, to provide fixtures which can be easily secured in place and which can be removed and replaced by other fixtures without defacing the blinds.

With these ends in view my invention consists in the peculiar construction and arrangement of parts as will be hereinafter fully pointed out and claimed.

In the accompanying drawings—Figure 1 is a perspective view of an awning blind provided with my improved fixtures; Fig. 2 is a sectional view on the line $x-x$ of Fig. 1. Fig. 3 is a detail view of the bolt for locking the blinds together; Fig. 4 is a detail view of one section of the upper hinge, Fig. 5 is a detail view of a slightly modified construction; and Fig. 6 is a detail plan view of one section of the lower hinge.

Like letters of reference denote corresponding parts in all the figures of the drawings, referring to which:—

A designates the frame or casing of a window and B, B', two blinds arranged to close the window. The upper hinge of the blind consists of a flat plate C rigidly attached to the blind, by suitable fastening devices, and bent upon itself at its outer free end to form a short sleeve c ; and of another member consisting of a shank D provided at one end with means for attachment to the window frame or casing and having a pintle E at its forward end which pintle is designed to fit in the sleeve c and support the blind. The pintle E is provided with an enlarged lower end e

which is pivotally secured in the outer bifurcated end of the shank D by a pivot pin F so that said pintle can be turned on its pivot to draw the upper end of the blind inwardly toward the building when it is desired to use the same as an awning.

To the window frame or casing near the lower end thereof is rigidly secured a shank G and to the outer end of said shank are securely attached forwardly projecting spring lips H. As shown in Fig. 6 the lips H may be formed from a single piece and attached to the outer end of the shank G by a screw h . The shank G and lips H form one member or section of the lower hinge; and the other member of said hinge consists of a plate K, similar to the plate C of the upper hinge, in the sleeve k of which is fitted a pin having its lower portion l enlarged and adapted to fit between the spring lips H when the blind is arranged for use in the ordinary manner. The pin is held in place within the sleeve k by means of a nut M secured on its upper end. Both the shanks G and D are preferably provided with integral securing screws by means of which they can be attached to the frame of the window; but if desired other fastening means may be substituted for said screws.

When it is desired to use the blinds as an awning it is necessary to connect the same firmly together. To accomplish this purpose I have provided the fastening bolt or bar N shown in Figs. 2 and 3. This bolt consists of a longitudinally movable stem n , provided at one end with a projecting thumb piece or handle O, and at its other end the stem n is provided with a flat bar Q. In the bar Q are formed two longitudinal slots q, q' , which are separated by a short solid section r ; and the slot q' extends or opens through the end of the flat bar Q. To the blinds A, A', are secured bolts R, R', respectively, which have their outer ends threaded and on said threaded ends are fitted nuts S. The stem n of the bolt N is held against lateral displacement by a transverse keeper P securely attached to the inner face or surface of the blind A.

When it is desired to use blinds provided with my improved fixtures as an awning the two blinds are connected together by moving

the bolt N so that the bolt R' will be received in the slot q' and the nuts S are then screwed down to hold the bar Q in position across the inner faces of both blinds. By a slight outward push the pins L are disengaged from the spring lips H and the entire weight of the blinds is supported by the upper hinges. As before stated the pintles E are pivotally connected to the shanks D so that as the lower ends of the blinds are forced out the pintles turn on their pivots to accommodate themselves to the inward or rearward movement of the upper ends of the blinds. When the blinds are returned to their normal positions and the bolt N withdrawn to disconnect them, the pintles E return to their original position and the blinds can be operated in the ordinary manner.

In Fig. 5 I have shown a slightly modified construction of the member of the upper hinge adapted to be attached to the window frame or casing. In this construction I form integral with the shank D a leaf d which leaf is pivotally connected to a similar leaf d' formed integral with the pintle E.

I am aware that changes in the form and proportion of parts and details of construction of the devices herein shown and described as an embodiment of my invention can be made without departing from the spirit or sacrificing the advantages of the same and I therefore reserve the right to make such changes and alterations as fairly fall within the scope of my invention.

Having thus fully described my invention,

what I claim as new and desire to secure by Letters Patent, is:—

1. A hinge for blinds consisting of a member adapted to be attached to the blind and provided at its outer end with a sleeve, another member adapted to be secured to the window frame or casing and provided at its outer end with spring lips, and a pin fitted in the sleeve on the member attached to the blind and between the spring lips of the other member, substantially as described.

2. In an awning blind, the combination of a blind pivotally supported near its upper end, a plate attached to the blind near the lower end thereof and provided at one end with a depending pin, and a shank adapted to be attached to the window frame or casing and provided at its outer end with spring lips arranged to extend on opposite sides of the depending pin carried by the blind, substantially as described.

3. In an awning blind, a locking bar secured on one of the blinds and adapted to extend across the meeting edges of the blinds, said bar being provided with longitudinal slots adapted to receive bolts attached to the blinds, one of said slots opening through one end of the bar, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN SWEENEY.

Witnesses:

JULIUS TWISS,
F. R. BLISS.