Jan. 18, 1944. W. C. MARKLE 2,339,344

AWNING

Filed March 20, 1943

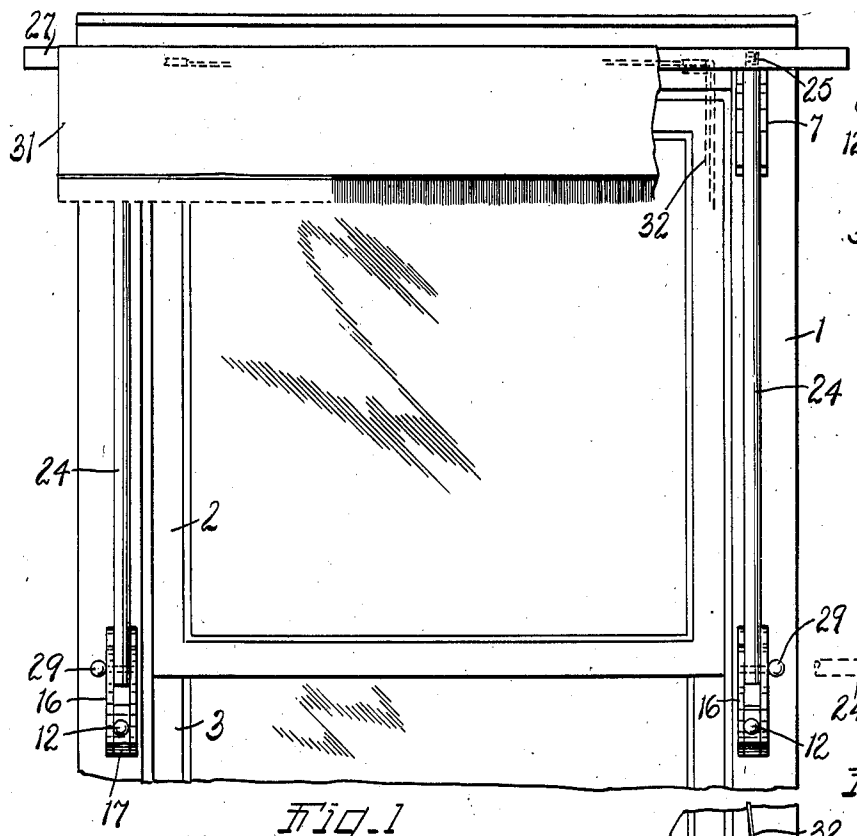


Fig. 1

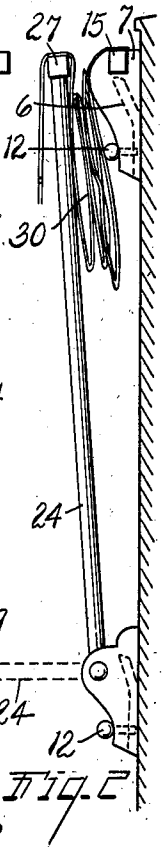


Fig. 2

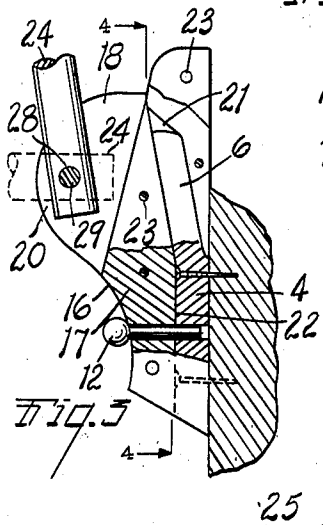


Fig. 3

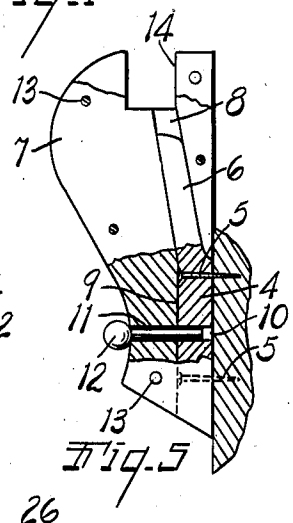
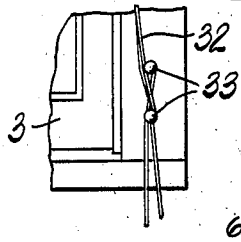


Fig. 5



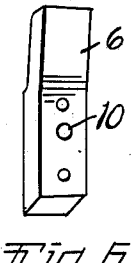


Fig. 6

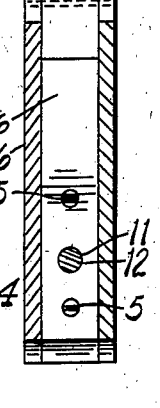


Fig. 4

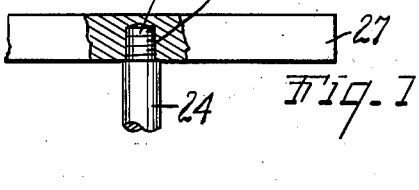


Fig. 7

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AWNING

William Clair Markle, Hutchinson, Kans.

Application March 20, 1943, Serial No. 479,863

8 Claims. (Cl. 160—81)

This invention relates to improvements in awnings.

The main objects of this invention are:

First, to provide an awning which may be quickly applied to or removed from a window after inconspicuous attaching fixtures have been secured to the window.

Second, to provide an awning having these advantages which is neat and attractive in appearance.

Third, to provide an awning which may be economically formed of wood and at the same time is strong and durable.

Objects pertaining to details and economies of the invention will definitely appear from the description to follow. The invention is pointed out in the claims.

A structure which embodies the features of the invention is clearly illustrated in the accompanying drawing, in which:

Fig. 1 is a fragmentary front elevation view of a window with an awning embodying the invention in raised position.

Fig. 2 is a fragmentary side elevation with the awning in raised position, a lowered portion of the front bar supporting arms being additionally shown by dotted lines.

Fig. 3 is an enlarged fragmentary view partially in section showing details of the hinge members and supporting bracket, the front bar supporting rods being shown in erected position by full lines and in lowered position by dotted lines.

Fig. 4 is a sectional view on broken line 4—4 of Fig. 3.

Fig. 5 is an enlarged fragmentary view partially in section showing details of the head bar supporting bracket.

Fig. 6 is a front perspective view of one of the attaching fixtures.

Fig. 7 is an enlarged fragmentary view partially in section showing details for connecting the front bar supporting arms to the front bar.

In the accompanying drawing 1 represents a window frame, 2 the upper sash and 3 the lower sash. To the outside of the frame are secured the upper and lower attaching fixtures 4, which are secured to the window frame in vertically spaced pairs as by means of the nails 5. These fixtures are suitably formed of wood and are provided with upwardly projecting outwardly inclined fingers 6. The head bar supporting brackets 7 are provided with sockets 8 adapted to receive these fingers.

The brackets have longitudinal recesses 9 in their rear sides adapted to slidably receive the body portions of the fixtures. The fixtures and the brackets are provided with holes 10 and 11 which are brought into register when the brackets are completely engaged with the fixtures and receive the headed pins 12 whereby the brackets are effectively secured to the fixtures. The brackets are preferably formed up of ply stock to prevent splitting and checking, dowels 13 being arranged through the plies which, however, could be glued together, or pins used to supplement the glue. The brackets are provided with upwardly facing notch-like recesses 14 which receive the head bar 15.

The hinge members 16 are made up of central body portions 17 and side portions 18 which project beyond the body portion to provide pivot ears 20. These hinge members have sockets 21 receiving the fingers or tongues 6, and longitudinal grooves 22 embracing the body portions of the fixtures. Pins or dowels 23 serve to secure the parts of the hinge member together, but as is evident they may be glued or the pins used to supplement the gluing.

The arms 24 are provided with threaded end portions 25 which are screwed into suitable bores 26 provided therefor in the front bar 27. The inner ends of the arms 24 have transverse bores 28 therein to receive the pintles 29. These pintles 29 are preferably the same as the retaining pins 12, being provided with suitable heads which permit their easy insertion and withdrawal.

The cover 30 is secured to the head bar and to the front bar 27, being extended beyond the front bar to provide a valance 31. The structure illustrated is not provided with side members. The lifting cords 32 are conventionally shown, arranged over suitable pulleys indicated by dotted lines in Fig. 1. The pins 33 similar to the pins 12 and pintles 29 are provided with snubbing members or cleats for the cord.

With the parts thus arranged, after the fixtures have been applied it is only necessary to slip the brackets 7 and the hinge members 16 over the fixtures, that is, engage the sockets of these elements with the tongues or fingers of the fixtures and secure the brackets and hinge members by means of the retaining pins. The brackets and hinge members can be removed by merely withdrawing the pins and lifting the members from the fixtures. This can be done without disengaging the head bar if that is desired.

Awnings embodying the invention may be formed entirely of wood, the only metal used being the nails or screws for attaching the fixtures. At the same time the structure is satisfactorily light in weight and is strong and durable. As stated, it may be very quickly erected and taken down.

I have illustrated and described my invention in an embodiment which I have found highly practical. I have not attempted to illustrate or describe certain modifications and adaptations which I contemplate as it is believed this disclosure will enable the adaptation of the invention as may be desired.

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

1. In an awning, the combination with a window frame, of upper and lower attaching fixtures secured to said window frame in vertically spaced pairs and provided with upwardly projecting and outwardly inclined fingers, head bar supporting brackets and hinge members detachably engageable with said upper and lower fixtures respectively and having longitudinal recesses in their rear sides slidably receiving their coacting fixtures and having inclined sockets receiving said fingers thereof, said fixtures, brackets and hinge members having holes therein registering when the brackets and hinge members are in engaged position, retaining pins for said brackets and hinge members removably engageable with said registering holes, said head brackets having upwardly facing notches in their upper ends and said hinge members having spaced pivot ears, a head bar detachably engageable with said notches, a front bar, a cover attached to said head bar and to said front bar, arms having threaded engagement with said front bar and having their lower ends disposed between said pivot ears of said hinge members, and pintles arranged through said pivot ears pivotally engaging said arms.

2. In an awning, the combination with a window frame, of upper and lower attaching fixtures secured to said window frame in vertically spaced pairs and provided with upwardly projecting and outwardly inclined fingers, head bar supporting brackets and hinge members detachably engageable with said upper and lower fixtures respectively and having longitudinal recesses in their rear sides slidably receiving their coacting fixtures and having inclined sockets receiving said fingers thereof, said head brackets having upwardly facing notches in their upper ends and said hinge members having spaced pivot ears, a head bar detachably engageable with said notches, a front bar, a cover attached to said head bar and to said front bar, arms having threaded engagement with said front bar and having their lower ends disposed between said pivot ears of said hinge members, and pintles arranged through said pivot ears pivotally engaging said arms.

3. In an awning, the combination with a window frame, of upper and lower attaching fixtures secured to said window frame in vertically spaced pairs and provided with upwardly and outwardly inclined fingers, head bar supporting brackets and hinge members detachably engageable with said upper and lower fixtures respectively and having longitudinal recesses in their rear sides slidably receiving their coacting fixtures and having inclined sockets receiving said fingers thereof, said fixtures, brackets and hinge members having holes therein registering when the brackets and hinge members are in engaged position, retaining pins for said brackets and hinge members removably engageable with said registering holes, a head bar carried by said supporting brackets, a front bar, a cover attached to said head bar and to said front bar, and arms secured to said front bar and having their lower ends pivoted to said hinge members.

4. In an awning, the combination of upper and lower attaching fixtures adapted to be secured to a window frame in vertically spaced pairs and provided with upwardly and outwardly inclined fingers, head bar supporting brackets and hinge members detachably engageable with said upper and lower fixtures respectively and having longitudinal recesses in their rear sides adapted to slidably receive said fixtures and having inclined sockets receiving said fingers, said fixtures, brackets and hinge members having holes therein registering when the brackets and hinge members are in engaged position, retaining pins for said brackets and hinge members removably engageable with said registering holes, said head brackets having upwardly facing notches in their upper ends and said hinge members having spaced pivot ears, a head bar detachably engageable with said notches, a front bar, a cover attached to said head bar and to said front bar, arms having threaded engagement with said front bar and having their lower ends disposed between said pivot ears of said hinge members, and pintles arranged through said pivot ears pivotally engaging said arms.

5. In an awning, the combination of upper and lower attaching fixtures adapted to be secured to a window frame in vertically spaced pairs and provided with upwardly and outwardly inclined fingers, head bar supporting brackets and hinge members detachably engageable with said upper and lower fixtures respectively and having longitudinal recesses in their rear sides adapted to slidably receive said fixtures and having inclined sockets receiving said fingers, said fixtures, brackets and hinge members having holes therein registering when the brackets and hinge members are in engaged position, a head bar detachably engageable with said head bar supporting brackets, a front bar, a cover attached to said head bar and to said front bar, arms having threaded engagement with said front bar and having their lower ends disposed between said pivot ears of said hinge members, and pintles arranged through said pivot ears pivotally engaging said arms.

6. The combination with a window frame, of upper and lower attaching fixtures secured to said window frame in vertically spaced pairs, head bar supporting brackets detachably engageable with said upper fixtures and having upwardly facing head bar receiving recesses, hinge members detachably engageable with said lower fixtures and having pivot ears, a head bar detachably engageable with said recesses in said brackets, a front bar, a cover attached to said head bar and front bar, and arms pivoted to said hinge members and secured to said front bar.

7. The combination with a window frame, of upper and lower attaching fixtures secured to said window frame in vertically spaced pairs, head bar supporting brackets detachably engageable with said upper fixtures, hinge members detachably engageable with said lower fixtures, a head bar carried by said brackets, a front bar, a cover attached to said head bar and front bar, and arms pivoted to said hinge members and secured to said front bar.

8. The combination of upper and lower attaching fixtures adapted to be attached to a window frame in vertically spaced pairs, head bar supporting brackets detachably engageable with said upper fixtures, hinge members detachably engageable with said lower fixtures, a head bar carried by said brackets, a front bar, a cover attached to said head bar and front bar, and arms pivoted to said hinge members and secured to said front bar.

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