

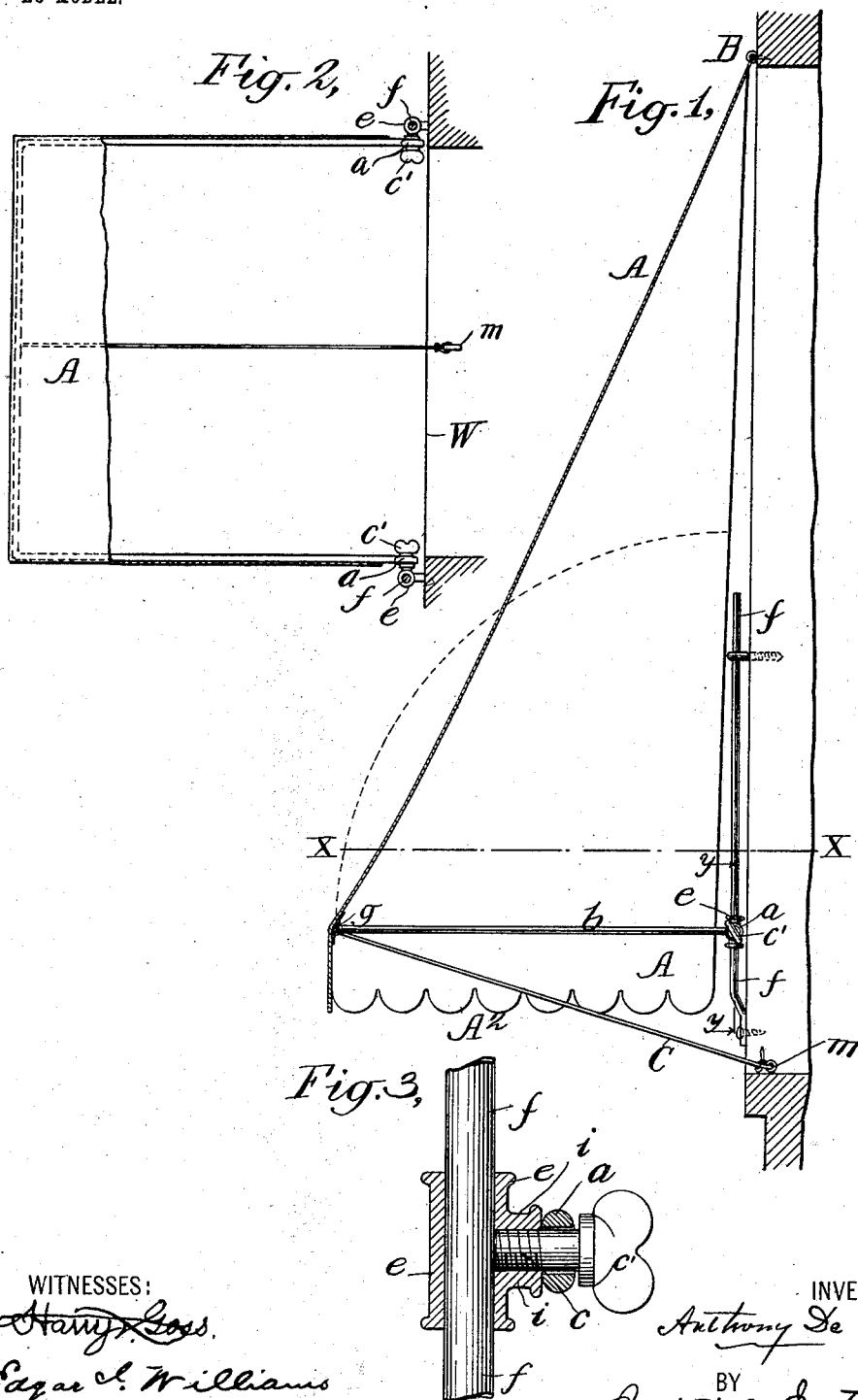
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A. DE SIMONE.
AWNING FIXTURE.

APPLICATION FILED SEPT. 12, 1903.

NO MODEL.



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AWNING-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 743,257, dated November 3, 1903.

Application filed September 12, 1903. Serial No. 172,854. (No model.)

To all whom it may concern:

Be it known that I, ANTHONY DE SIMONE, a citizen of the United States, residing at the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Awning-Fixtures, of which the following is a specification.

My invention relates to fixtures used in connection with the ordinary awnings put up to the windows of houses, and particularly to that part of an awning-fixture which comprises the usual vertical rod, one on each side of the window-frame, on which is arranged to slide vertically or to be vertically adjusted a suitable device with which the inner end of the bow or metallic U-shaped device near the lower edge of the awning is pivotally connected, so that the said hoop may be elevated upwardly and toward the window-frame in the arc of a circle to partially raise the awning, and which may, if desired, be thereafter lifted bodily with the woven fabric of the awning up to the vicinity of the top of the window-frame, all in a manner and for purposes well understood to those skilled in the art. Prior to my invention such awning-fixtures have been most commonly made with the sliding device on the vertical rods at either side of the window-frame, free at all times to move up and down on said rods and with each inner end of the metallic bow of the awning pivotally connected therewith, while to maintain the awning in a lowered condition a cord is usually employed, which at its outer end is permanently connected to the middle of the bow or U-shaped metallic device and has its inner end at pleasure secured to or uncoupled from a staple or eye made fast in the sill of the window, midway of the width of the latter. It has, however, been suggested long ago to have the sliding device to which each inner end of the bow is pivotally connected provided with means for clamping it securely to the vertical rod on which it is adapted to slide to prevent the objectionable rattling and noise caused by more or less motion in the parts during windy weather and when the awning may be lowered and secured in its lowermost position by the cord, as just above mentioned. No such

means, however, for effectuating this desirable end has ever come into general use to my knowledge or to the knowledge of those engaged in building and using window-awnings, presumably because such clamping devices suggested (and, I believe, patented) years ago is too complicated, and hence undesirable for an awning-fixture, which not only has to be handled mostly by servants and household, but which having to be put up and taken down, respectively, in and out of season is objectionable where any part or parts of the fixtures are liable to become separated and lost or mislaid.

My invention has for its object to provide for use an awning-fixture in which the means or device by which each inner end of the metallic bow is pivotally connected with a part adapted to slide vertically on the slide-rod of the window-frame shall not only be extremely economic of manufacture, but shall be so simple of construction as to render it well adapted for the purpose for which it is designed, while at the same time the fixture shall be perfectly efficient in the particulars of securely holding in place the pivotal ends of the bow or bail when desired and at the same time permit the bodily movement upward of the bow when this may be required.

To this main end and object my invention may be said to consist, essentially, in the combination, with the usual vertical slide-rod attached to the side of the window-frame and the inner eye-shaped end of the metallic bail or hoop, of a simple tubular casting fitted to slide easily on said rod and provided with a simple thumb set-screw having an unthreaded body portion, upon which is mounted to turn freely thereon the eye of the inner end of the metallic bail, all as will be hereinafter more fully described, and as will be most particularly pointed out in the claim of this specification.

In the accompanying drawings, which form part of this specification, Figure 1 is a vertical central section of an ordinary window-awning and the window-frame to which it is applied comprising my novel construction of fixture or my improvement in awning devices. Fig. 2 is a horizontal section of the same, taken on the line *xx* of Fig. 1; and Fig. 3 is a de-

tail vertical section taken at the line *y y* of Fig. 1 and made on an enlarged scale to better show the detail construction of that part of the awning-fixture in which resides my invention or improvement.

In the several figures the same part will be always found designated by the same letter of reference.

A is the main body portion of an ordinary canvas awning, which at its lowermost rectangular edge is suitably secured to the usual U-shaped metallic bail or bow *b* and which has a vertically-depending shorter apron-like portion *A*², the upper edge or end of the said awning being secured to the upper or top part of the wooden window-frame, all in the usual and well-understood manner.

C is the usual holdfast or tying-down cord, which has its outer end securely fastened to the middle of the bail *b* at the point *g* and which may have its inner end made fast to an eye or staple *m* in the sill of the window for the usual and well-known purpose of holding the awning down when lowered into the position shown at Fig. 1.

ff are the two vertical rods which are secured in the well-known manner one to each side of the window-frame, as shown, and upon which are telescopically arranged, one on each, the tubular parts *e* of a simple casting, which, as shown, is formed with a hub-like boss *i*, which is interiorly threaded to accommodate the inner threaded end or portion *c* (see Fig. 3) of a thumb set-screw, which is manipulated easily in the well-known manner by the use of its flattened head *c'* and which is made, as shown, with a plain or unthreaded body portion located between the position of its thumb-head *c'* and the outer surface of the boss or threaded hub *i*, (when the said thumb-screw is turned in, so as to bind or fasten the casting *e* to the rod *f*,) and on this unthreaded body portion of said set-screw is mounted, as shown, the eye *a* of the inner end of one of the legs of the bow or bail *b*, all in such manner that when the tubular casting *e* is clamped fast or immovably on the slide-rod *f* by means of the said thumb-screw the bail *b* of the awning when untied and free to do so can swing or vibrate upwardly in the arc of a circle round about these plain connected portions of the thumb set-screws, which serve as pintles for the eyes *a* of the inner ends of said bail. Furthermore, whenever it shall be so desired and after the said bail shall have been swung up into the position indicated by dotted lines at Fig. 1 and it may be desired to bodily elevate the awning to the vicinity of the top of the window-frame it is only necessary to slightly loosen the grip of the set-screws on the slide-rods *f*, when the attached devices just above described will all move together bodily upwardly on the slide-

rods and in the usual manner and for the purpose well known.

I have made and practically operated or used my improved fixture and found it to afford great satisfaction both in perfection and certainty of operation, preventing all rattling and noise of the means by which the inner ends of the bail are pivotally and movably connected with the slide-rods on the window-frame, while at the same time, both during the use of the fixture and in taking down and replacing the awning, there is no liability of any misplacement or loss of any one of the parts of the fixture.

It will be observed that to remove and replace the fixture it is only necessary to turn out or unscrew the thumb-screw, slip off therefrom the eye *a* of the bail or bow, then replace the thumb-screw within the threaded boss *i*, when the simple and single casting or tubular device *e*, with its assembled set-screw, may, if desired, be removed from the slide-rod *f*, or in the event of its being left there out of season (same as the slide-rods themselves are left there) there will be no liability of these simple parts thus assembled ever getting lost or being rendered inoperative or out of repair by exposure to the weather.

It need hardly be added that the simplicity of my awning device, besides rendering it exceedingly efficient for all the purposes for which such a device is to be used and under all conditions, makes it so economic of manufacture that the awning-builder can very cheaply accord the public this better or improved awning device.

Having now so fully explained my invention that those skilled in the art can make and use the same, what I claim as new, and desire to secure by Letters Patent, is—

In a window-awning, the combination, with the usual U-shaped, metallic, bow thereof, having its inner end formed or provided with eyes; and the usual vertically-arranged slide-rods, attached to either side of the window-frame; of tubular castings, adapted to slide freely on said rods and formed with interiorly-threaded, laterally-projecting bosses; and thumb set-screws adapted to fasten said tubular castings, at pleasure, to the said slide-rods, and formed with plain or unthreaded body portions, the eyes at the inner ends of said bow being mounted on said plain portions of the thumb-screw bodies; all in substantially the manner and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 8th day of September, 1903.

ANTHONY DE SIMONE.

In presence of—

HERMAN LEHRENKRAUSS,
LOUIS F. SANDKAUS.