

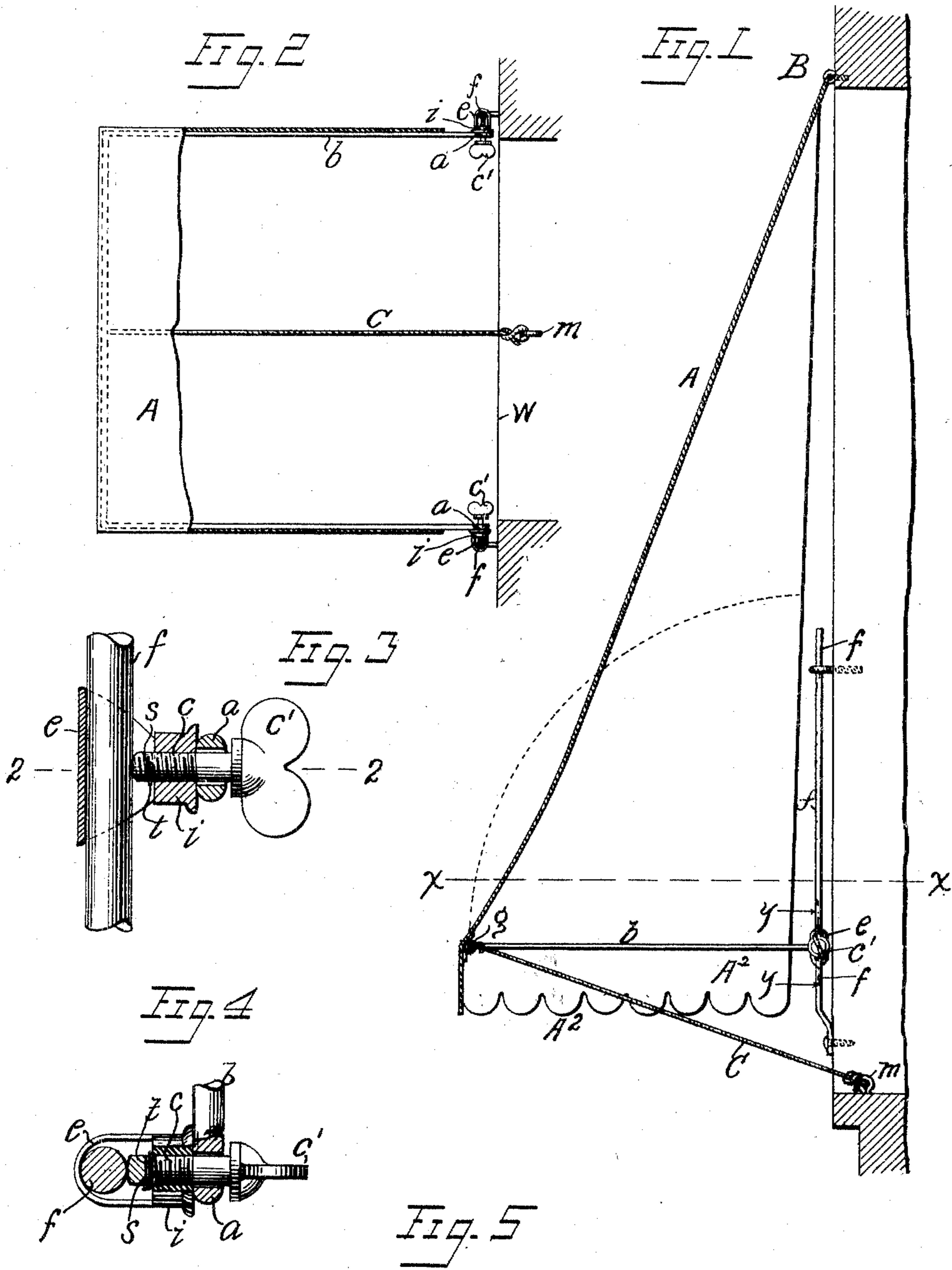
No. 766,937.

PATENTED AUG. 9, 1904.

A. DE SIMONE.
AWNING FIXTURE.

APPLICATION FILED APR. 12, 1904.

NO MODEL.



WITNESSES:

C. H. Benthoft
Amy Laird

INVENTOR

Anthony De Simone

BY

L. N. McEntire
ATTORNEY

ATTORNEY

UNITED STATES PATENT OFFICE.

ANTHONY DE SIMONE, OF NEW YORK, N. Y.

AWNING-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 766,937, dated August 9, 1904.

Application filed April 12, 1904. Serial No. 202,746. (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 full, clear, and exact description, reference being had to the accompanying drawings, which form part of this 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 device 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 house help, 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.

I have heretofore devised and put into practical operation an improved fixture which was made the subject-matter of United States Letters Patent granted to me November 3, 1903, No. 743,257, in which patent will be found fully shown and described my said improved construction of awning-fixture. In practice I have, however, learned that while my said patented fixture possesses great utility over all others which preceded it in the art it involves this objectionable feature—viz., that in the use of awnings comprising it there is a liability of a casual detachment of the thumb-screws from the threaded bosses of the sliding holder-tubes that are arranged on the vertical guide-rods, which detachment or separation of said thumb-screws from said sliding holdfast castings may occur under different conditions and result in two ways in considerable inconvenience to the user of the patented awnings. In the first place the thumb-screw may be wholly unscrewed by a child or thoughtless person while the awning is in use, in which case the metal bail-like device of the awning will become detached from the other parts of the fixture, causing trouble and inconvenience, while at the same time the unscrewed thumb-screw becoming wholly separated from the other assembled parts may fall, (to the street), aggravating the condition of affairs. In the next place, if no such accidental or heedless

condition be brought about, in taking down for the season the awning or during storage of it the thumb-screw may become wholly detached from its nut and get lost or mis-
 5 laid, causing inconvenience and replacement by a new piece when it may be desired to again put up the awning. To overcome this practical objection in my patented fixture is the object of my present improvement, which
 10 consists in providing the fixture with means by which the thumb-screw may be prevented from casual separation from its nut, while at the same time it may be easily detached therefrom whenever necessary to separate the
 15 parts of the fixture in taking down the awning and its detachment certainly prevented after the parts shall have been reassembled, until it may be desired to again designedly detach the several parts of the fixture.

20 In the accompanying drawings, making part of this specification, and in which I have shown my present invention carried out in that precise form in which I have so far successfully practiced it, though it may be carried into ef-
 25 fect in some other form, 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.
 30 Fig. 2 is a horizontal section of the same, taken on the line *x x* of Fig. 1. Fig. 3 is a detail 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
 35 of the awning-fixture in which resides my invention or improvement. Fig. 4 is a detail section at the line 2 2 of Fig. 3, and Fig. 5 is a view in perspective of one of the screw-locking devices detached.

40 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 rec-
 45 tangular 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
 50 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
 55 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.

60 *f f* 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 65 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
 70 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-
 75 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
 80 in the manner shown and described in my said Letters Patent. Instead, however, of the set-screw *c* being made and operating as therein set forth I make it with a diametrically-lo-
 85 cated hole or perforation *s*, (see Fig. 3,) and I make the rod-embracing slide *e* with its opening for the accommodation of the guide-rod considerably larger in one direction than the guide-rod, so that the rod-clamping end
 90 of the set-screw when turned in projects materially beyond the inner wall of the slide and for access thereto the hole *s* in the screw.

t is a simple-soft wire pin-like locking de-
 95 vice used to temporarily prevent detachment of the set-screw *c* from the holder *e*.

At Fig. 5 is shown the locking device *t* in its normal condition, in which after the as-
 100 semblage of the parts, as seen at Figs. 1 to 4, inclusive, it is inserted from above within the hole *s* in screw *c*, in which it is supported by its L-shaped head, and then by slightly
 105 unscrewing or turning out the screw the lower protruding end of said pin *t* is bent over and in between the male and female threads of the two parts *c* and *i* of the fixture, thus binding
 110 on and preventing further relative movement of these screw-threaded parts. It will be understood that after this bending into an operative condition of the (so to speak) chocking
 115 device *t* the set-screw will be free to be turned in or screwed in to effectuate the clamping onto the slide-rod *f* of the sliding holder de-
 120 vice *e*, all as in the case of my patented device, and that when it may become necessary to segregate or detach the several parts of
 125 the awning-fixture (to take down the awning) the thumb-screw *c* may be taken by first simply removing entirely the little chocking-pin *t*, which may be easily effectuated with the
 130 use of a small brad-awl (or even with a piece of stiff wire) by bending up or straightening out the L-shaped head of *t* sufficiently to force or punch it through and out of the hole *s* of the set-screw.

In storing away the awning-fixture it will
 135 be expedient to relock the set-screw to the holder-shoe *e* to prevent possible detachment and loss of the former.

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

5 In combination with the holder, or rod-slide *e*; and the set-screw, arranged therein and operating to clamp said holder, at pleasure, to the usual awning slide-rod; of means operating to prevent a complete separation of said set-screw and slide *e*, while the awning is set up in an operative condition, while, at the

same time, permitting the necessary relative movement of the set-screw and holder *e*; all in the manner and for the purposes set forth.

In witness whereof I have hereunto set my hand this 8th day of April, 1904.

ANTHONY DE SIMONE.

In presence of—

LOUIS F. SANDKAUT,

JOSEPH L. SACKMAN.