No. 740,960. PATENTED OCT. 6, 1903.

O. WHITMORE.

AWNING FITTING.

APPLICATION FILED JULY 19, 1900.

NO MODEL.

Fig. I.

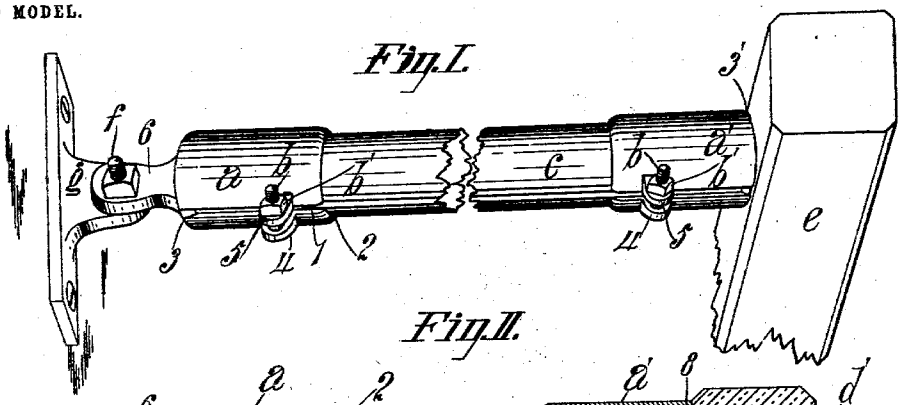


Fig. II.

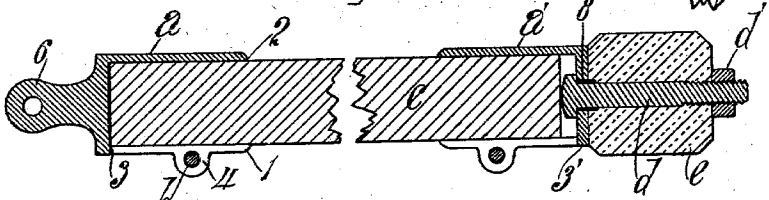


Fig. III.

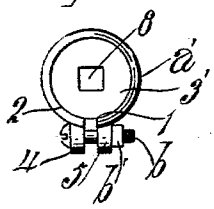


Fig. IV.

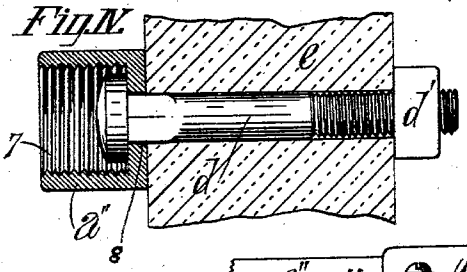


Fig. V.

Witnesses

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his attys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 740,960. Patented October 6, 1903.

UNITED STATES PATENT OFFICE.

OSCAR WHITMORE, OF SAN DIEGO, CALIFORNIA.

AWNING-FITTING.

SPECIFICATION forming part of Letters Patent No. 740,960, dated October 6, 1903.

Application filed July 19, 1900. Serial No. 24,240. (No model.)

To all whom it may concern:

Be it known that I, OSCAR WHITMORE, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented new and useful Improvements in Awning-Fittings, of which the following is a specification.

An object of my invention is to provide a superior, cheap, and simple means for joining the rods and bars of awning-frames.

A further object of my invention is to allow the frame to be readily taken to pieces and in case of breakage to allow the broken parts to be readily replaced at slight expense of time, labor, and material.

A further object of my invention is to enable the constructor to use wooden rods when desired for constructing the awning-frame, thus to insure lightness and decrease expense. My invention is embodied in various forms for the various modes of constructing the awning-frame.

My newly-invented fitting comprises a cap perforated at its closed end and provided at the open end with means for attachment to the end of the rod or bar and a bolt inserted through said perforation, with the head of the bolt inside the cap.

The accompanying drawings illustrate my invention as the same is applied in awning-frames for ordinary use.

Figure I is a fragmental view from below of an awning-frame provided with my improved fitting in two of its forms which are adapted for an awning-frame principally formed of wooden rods and bars. Fig. II is an axial section of the same extending longitudinally of the slot of the caps. Fig. III is an elevation looking into the open end of the fitting shown attached to the front bar of the awning in Figs. I and II. Fig. IV is a fragmental section showing a form of fitting adapted for connecting the front bar of the awning with an iron rod. Fig. V is a fragmental view of an awning-frame formed of cylindrical rods and bars of uniform size connected by means of my invention applied in angles and T's.

In the several views, a indicates the cap, and different forms of cap are distinguished by appropriate indices.

In Fig. I cap a is provided with a longitudinal slot 1, extending from the open end to the closed end of the cap. A bolt b, passing through the lugs 4 and 5 and tightened by its nut b', affords means for drawing the walls of the slot toward each other. The lugs are preferably placed close to the open end of the cap, but at a sufficient distance from said open end to allow the shell of the cap to spring in gradually toward the portion of the walls where the lugs 4 and 5 are located, thereby allowing a wooden rod c to be clamped perfectly tight, allowing the pressure to be extended over a greater frictional surface of the wooden rod, thus to prevent any destructive crushing of such rod, which might occur if the pressure were to be applied immediately at the end of the cap.

In Figs. II and III, 8 indicates the perforation in the closed head 3′ of the cap, through which the bolt d is passed, the head of the bolt being inside the cap.

In Figs. I, II, and IV, e indicates the front bar of the awning. The bolt d passes through said bar, which is brought firmly against the closed end 3′ of the cap a' by means of the nut d'. The fitting a at the upper end of the rod c is furnished with an eyepiece 6, formed integral with and projecting from the head of the cap. f indicates a bolt through the eyepiece for fastening same to the wall-bracket g or other fixture attached to the building. 3 indicates the closed head at the upper end of the rod c.

In Fig. IV the means provided for fastening the cap to the rod consists in screw-threads 7 in the main body of the cap a''. The cap in such instance is not slotted.

The form shown in Fig. V shows two or more slotted caps connected together to form a single fitting. a^3 and $a^{3'}$ show two slotted caps the open ends of which are constructed after the same manner as shown at a in Fig. I, and the other ends of said caps are joined together in an angle to bring the axes of the caps at a right angle to each other. This forms a corner-fitting for an awning to be constructed of cylindrical rods c' c'' and bars e'. In this view a T-fitting is also shown consisting of three slotted caps a^4 $a^{4'}$ $a^{4''}$, arranged to form the stem a^4 and arms of the T. The stem a^4 is clamped upon the awning-rod c'', and the two limbs $a^{4'}$ $a^{4''}$ of the

T are respectively clamped upon the bars e', which form the front bar of the awning. In practical use the cap can be readily removed from its rod by unscrewing the fastening, and in case the fastening-bolt b should become broken the fragments can readily be removed and a new bolt passed through the perforation.

In the form shown in Fig. V the fitting can be readily released from the rods and bars by simply unscrewing the fastening-bolts b.

It is understood that where desired the slotted members of the multiple caps (shown in Fig. V) can be arranged at any desired angle with each other.

In case the bolt d should become broken it can readily be replaced.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. An awning-fitting comprising, in combination, a wall piece or bracket; a perforated cap having a longitudinal slot; lugs on the opposite sides of the slot; a bolt through said lugs to draw the walls of the slot toward each other; a rod clamped thereby at one end; a second cap; an eyepiece at the other end of the rod formed integral with and projecting from the head of said second cap; and a bolt through the eyepiece for fastening the same to the wall-bracket or other fixture attached to the building.

2. An awning-fitting comprising in combination, a rod, a cap at one end of said rod provided with a perforation through its closed end and with a longitudinal slot extending from the open end to the closed end and with lugs on the opposite sides of said slot; a bolt through said lugs to draw the walls of the slot toward each other; a screw-threaded bolt inserted through the end perforation with head inside the cap and screw-threaded outside; a nut for the screw-threaded portion of said bolt; a second cap at the other end of the rod and provided with an eyepiece formed integral therewith and projecting from the head thereof; a wall-bracket; and a bolt for attaching the eyepiece thereto.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, at San Diego, California, this 12th day of July, 1900.

OSCAR WHITMORE.

Witnesses:
J. C. HIZAR,
W. H. PRINGLE.