J. N. RYAN.

MUNTIN FASTENER.

APPLICATION FILED JUNE 10,1920.

1,410,514. Patented Mar. 21, 1922.

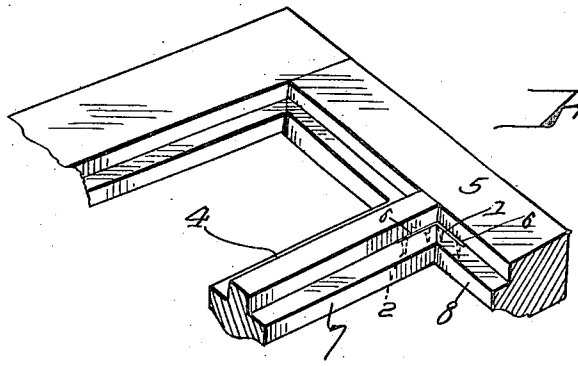


Fig. 1.

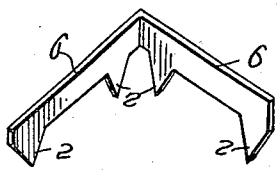


Fig. 2.

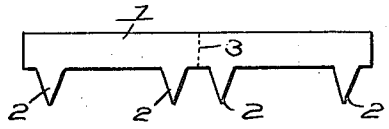


Fig. 3.

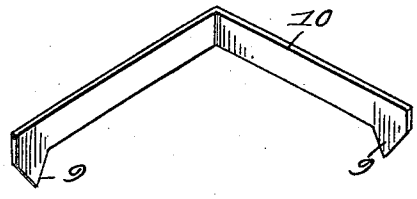


Fig. 4.

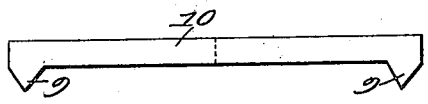


Fig. 5.

Inventor

J. N. Ryan,

By P. Thurne Talbert

Attorney

UNITED STATES PATENT OFFICE.

JOHN N. RYAN, OF ENID, OKLAHOMA.

MUNTIN FASTENER.

1,410,514. Specification of Letters Patent. Patented Mar. 21, 1922.

Application filed June 10, 1920. Serial No. 387,831.

To all whom it may concern:

Be it known that JOHN N. RYAN, a citizen of the United States of America, residing at Enid, in the county of Garfield and State of Oklahoma, has invented new and useful Improvements in Muntin Fasteners, of which the following is a specification.

Wherein it is desired to use a number of small lights in a sash and the muntins must be attached in the ordinary single light sash to equip it for use of small lights, it is the common practice to cut the muntins in what is known as a sash trimmer. The ends of the muntins are coped over the moulding of the sash, and nailed with small brads to keep them in place. Care must be exercised, however, in driving the brads and in setting the heads thereof below the surface of the sash so as not to strike the glass when the latter is placed in the sash. Brads sometimes split the wood and when not driven at the proper angle will protrude from one end of the sash. The nailing operation is a comparatively slow one and requires care and skill.

The object of the present invention is to provide a fastener for securing such muntins in place the fastener being preferably of sheet metal and adapted for bending at the desired angle and being provided on one edge with teeth to facilitate the driving. Having no head the fastener is easily driven below the surface of the wood, so there will be no chance of contact with the glass or lights when the latter are put in place.

As shown and described, a specific embodiment of the invention is adhered to, but to this embodiment, the invention is not to be restricted. The right is reserved to make such changes or alterations as the actual reduction to practice may suggest in so far as such changes or alterations are compatible in spirit with the annexed claims.

In the accompanying drawings:—

Figure 1, is a perspective view showing a corner section of a sash and illustrating the application of the invention.

Figure 2, is a perspective view of one form of the invention.

Figure 3, is a plan view of the blank from which the fastener is formed.

Figure 4, is a perspective view of a modified form of fastener.

Figure 5, is a plan view of the blank from which the fastener shown in Figure 4, is formed.

Designed particularly for use in corners in attaching adjacent muntins together, and also attaching the same to the sash, the device consists of a metal strip 1, stamped or otherwise formed with the teeth 2, and when ready for use is bent to a right angular form on the substantially intermediate line 3. It is thus adapted for use in the corner between the muntin 4 and the sash rail 5 and the teeth lead in the penetration of the two legs 6 of the fastener into the beads 7 and 8 of the muntin and rail respectively. The device, of course, may be of the proper size and is driven into the beads sufficiently to bring that edge opposite the teeth flush with the beads or slightly below the same.

The fastener shown in Figure 4, is provided only with the terminal tooth 9 at the extremity of each of its legs 10, but is otherwise like the fastener 1 which, as will be noted, is provided with a tooth on each leg adjacent the bend.

The invention having been described, what is claimed as new and useful is:—

1. The combination with a window sash having muntins, of a corner fastener having legs disposed at the same angle as the connecting muntins and embedded in the latter, each leg of the fastener having means on one edge to facilitate the penetration of the legs into the muntins.

2. The combination with a windaw sash having muntins, of a fastener formed from a metal blank and comprising a pair of legs disposed at an angle corresponding to the angle of two connecting muntins, the said legs being embedded in the muntins and each being formed on one edge with teeth for penetration into the material of the two muntins respectively and for facilitating the embedding of the legs therein.

In testimony whereof he affixes his signature.

JOHN N. RYAN.