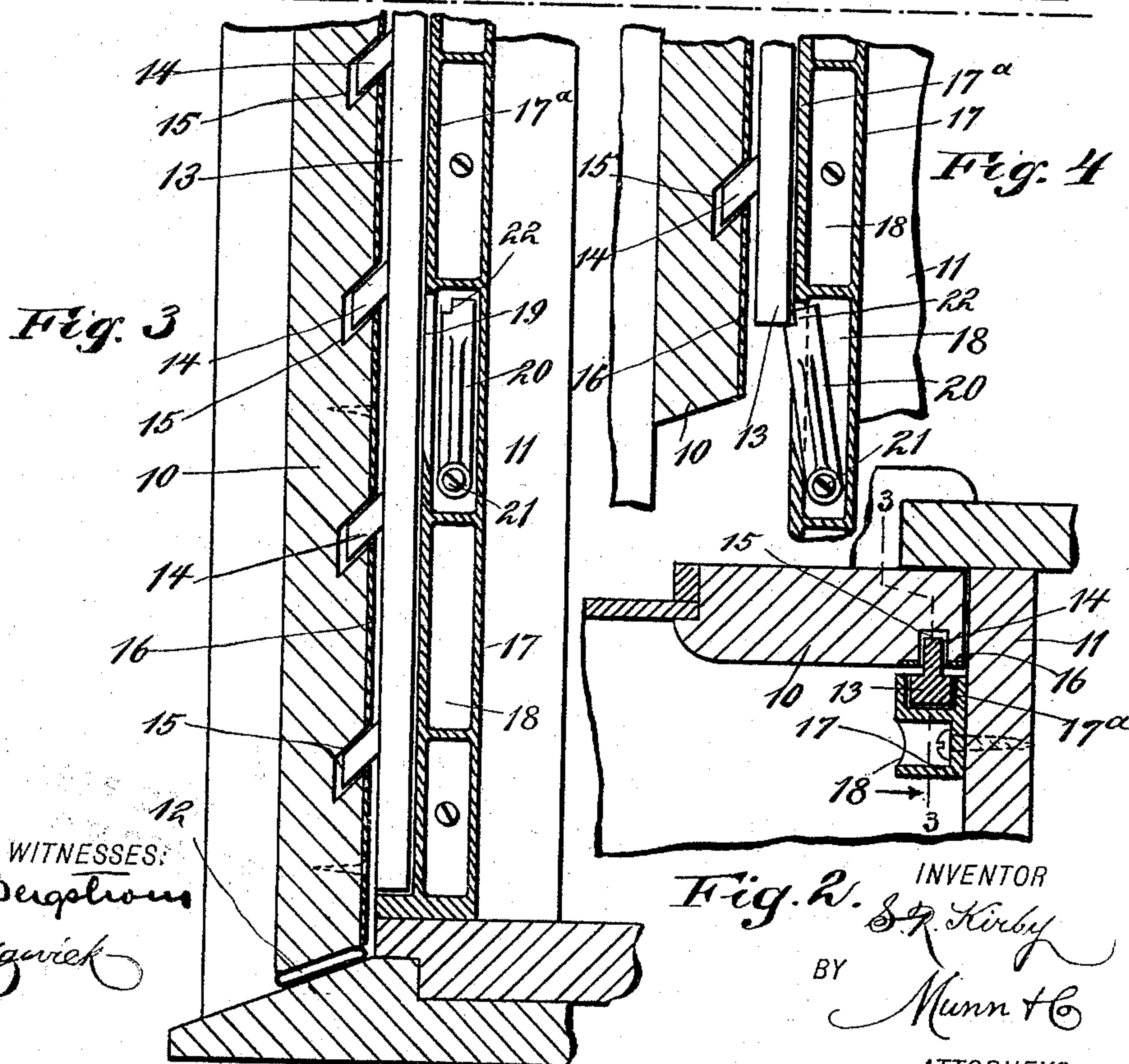
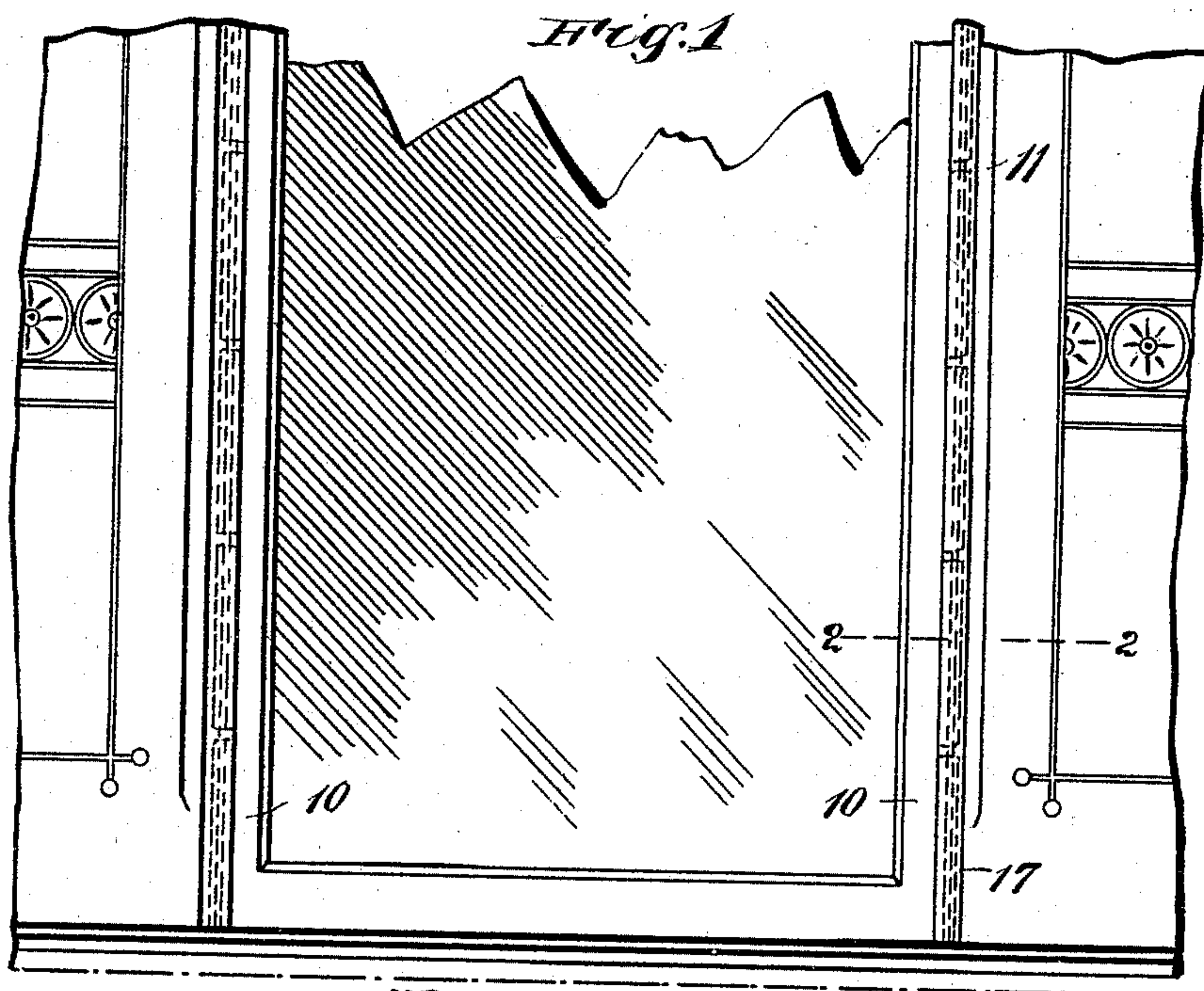


(No Model.)

S. R. KIRBY.
SASH FASTENER.

No. 497,186.

Patented May 9, 1893.



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

UNITED STATES PATENT OFFICE.

STEPHEN R. KIRBY, OF NEW YORK, N. Y.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 497,186, dated May 9, 1893.

Application filed October 5, 1892. Serial No. 447,915. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN R. KIRBY, of New York city, in the county and State of New York, have invented a new and Improved Window Stop or Holder, of which the following is a full, clear, and exact description.

My invention relates to improvements in that class of devices which are used to support a raised window sash, and the object of my invention is to produce a stop or holder which may be used on any sliding window sash, but which is especially applicable to car windows, which is arranged in such a way that the window may slide very freely and easily when desired, and which may be fixed so that the window may be held in a perfectly rigid manner when desired.

A further object of my invention is to produce a device of this character, which is cheap and simple and which may be easily applied to a window.

To this end, my invention consists in certain features of construction and combinations of parts, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a broken inside elevation of a car window provided with my improved stop or holder. Fig. 2 is a detail sectional plan on the line 2—2 in Fig. 1. Fig. 3 is a broken vertical section on the line 3—3 in Fig. 2, and with the window closed; and Fig. 4 is a broken sectional plan on the line 3—3 in Fig. 2, but with the window raised.

The window sash 10 slides in the usual way in the frame 11, and it has at its lower edge a cushion 12 which strikes the window sill. On both stiles of the sash and near the edge which abuts with the frame, is a keeper bar 13, which is held substantially parallel with the sash stile, and this bar has on its inner side at frequent intervals, blunt teeth 14, which extend diagonally downward and fit loosely in pockets 15 in the stile of the sash. A wear plate 16 is preferably arranged between the sash stile and the keeper 13. The stop 17, which is preferably of metal, is arranged adjacent to the keeper bar 13, and parallel therewith, and the stop has a vertical

slide-way 17^a, in which the keeper bar 13 moves. The stop is preferably provided with a series of pockets 18, which render it light and strong, and one or more of these pockets are, as shown in the drawings, provided on the side next the keeper bar, with a vertical slot 19 through which the latch 20 may swing, this latch being held normally in a vertical position, as shown in Fig. 3, and it is pivoted at its lower end, as shown at 21 in Fig. 4, and has at its upper end a notch 22 to engage the lower corner of the keeper bar.

There is a little slack between the stop 17 and the stile of the sash 10, in which the keeper bar may play. This permits the free movement of the sash, for when the latter is raised, the teeth 14 of the keeper bar slide downward into the pockets 15 of the sash, and the sash and bar may thus move with the utmost freedom. When, however, the lower end of the keeper bar comes opposite the slot 19, the latch 20 is swung outward so as to engage the under side of the keeper bar. Then if the window is dropped it slides downward by gravity on the teeth 14, as shown clearly in Fig. 4, so that it is held firmly in place, and it is wedged between the teeth 14 and the opposite side of the window frame so that all slack is taken up and the sash cannot work loose. Upon raising the sash, the keeper bar again moves with it and the sash may be freely moved up or down. The latch 20, however, is swung inward so as to be out of the path of the keeper bar when the sash is to be lowered.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A window stop or holder, comprising a sash having a series of pockets therein, a keeper bar held parallel with the sash and having teeth adapted to enter the sash pockets, a stop arranged to abut with the keeper bar, and a latch pivoted on the stop and adapted to engage the end of the keeper bar, substantially as described.

2. A window stop or holder, comprising a sash having a series of pockets, a keeper bar held against the sash and provided with teeth which enter the pockets, a stop arranged adjacent to the keeper bar and having a slide-way therein to receive the bar, and a latch

pivoted on the stop and held to engage the keeper bar, substantially as described.

3. A window stop or holder, comprising a sash having a series of pockets extending diagonally downward in it, a keeper bar held parallel with the sash and having downwardly-inclined teeth to enter the sash pockets, a stop arranged adjacent to the keeper bar and

having a slideway therein to receive the bar, and a latch pivoted in one of the stop pockets and adapted to engage the keeper bar, substantially as described.

STEPHEN R. KIRBY.

Witnesses:

G. T. STOCKTON,
CHAS. E. DRAKE.