

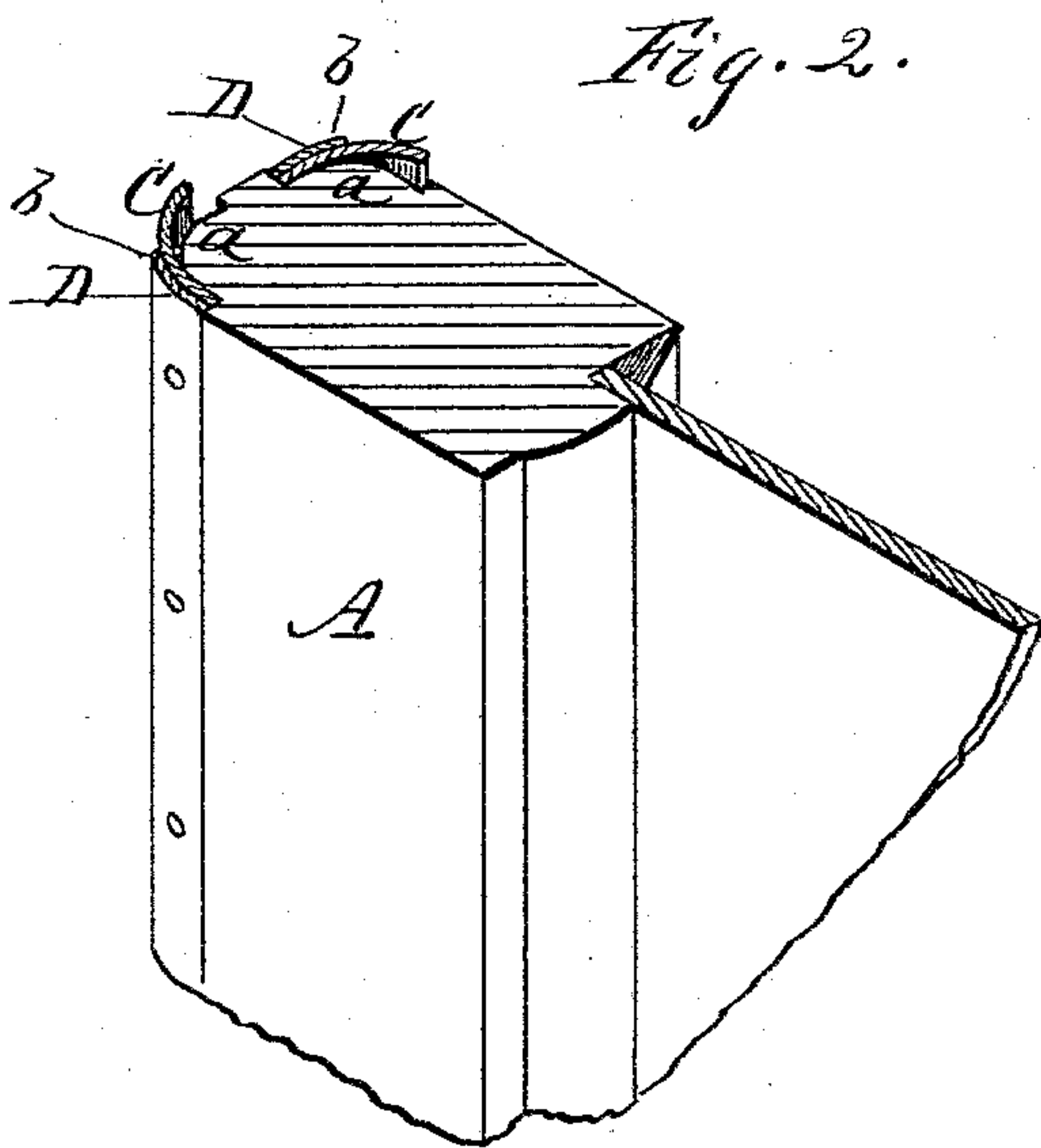
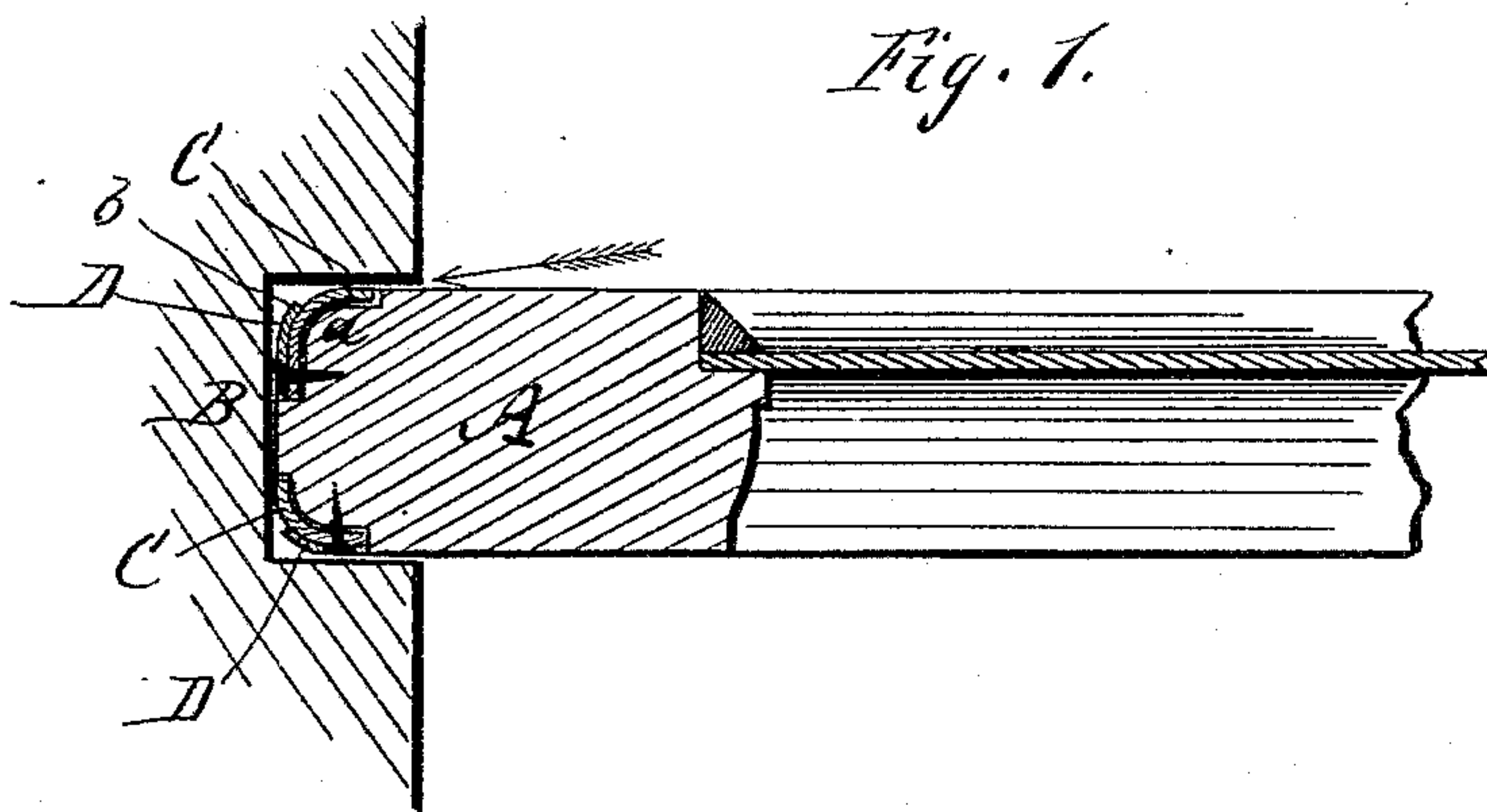
(No Model.)

D. STONE.

WEATHER STRIP FOR WINDOWS.

No. 412,210.

Patented Oct. 1, 1889.



Attest.
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UNITED STATES PATENT OFFICE.

DRAPER STONE, OF PITTSFORD, NEW YORK.

WEATHER-STRIP FOR WINDOWS.

SPECIFICATION forming part of Letters Patent No. 412,210, dated October 1, 1889.

Application filed June 4, 1888. Serial No. 275,913. (No model.)

To all whom it may concern:

Be it known that I, DRAPER STONE, of
Pittsford, in the county of Monroe and State
of New York, have invented a certain new
5 and useful Improvement in Devices for Tight-
ening Window-Sashes; and I do hereby de-
clare that the following is a full, clear, and
exact description of the same, reference be-
ing had to the drawings accompanying this
10 specification.

My improvement relates to a device at-
tached to the edge of a window-sash for the
purpose of packing and tightening it in place
in its seat to exclude wind and cold.

15 The invention consists in the special con-
struction and arrangement of the packing-
strip and stiffener, as hereinafter more fully
described and claimed.

In the drawings, Figure 1 is a cross-section
20 of a window-sash rail and the seat in which it
rests, showing my improvement. Fig. 2 is a
perspective view of the rail and its attach-
ments.

A indicates a window-sash rail, and B the
25 jamb or seat in which it rests.

C is a packing-strip of rubber or other
flexible material, tacked or otherwise at-
tached to the rail inside of the groove or seat
in which it rests, the free edge of the pack-
30 ing standing outward toward the outside of
the window. To accommodate the packing
and allow it to fold, the corner of the rail is
grooved or cut out, forming a depression, as
shown at *a*.

35 D is a stiffening-strip of metal, tacked or
otherwise attached outside the packing-strip,
its free edge being curved inward to meet the
packing, as shown at *b*. The metal strip is
of less width than the packing, leaving the
40 outer edge of the latter entirely free and un-
impeded.

In its natural position the free edge of the
packing stands out away from the side of
the rail, as shown in Fig. 2; but when in-
45 serted in the groove of the jamb the pack-
ing is bent to pass in, and the free edge packs
closely against the sides of the groove and
makes a tight joint. Wind entering the
joint from the direction of the arrow in Fig.

1 passes inside the packing and packs it 50
more closely against the jamb. The stiffen-
ing-strip D reaches to the point where the
right-angled bend is made in the packing-
strip, and serves the important purpose of
preventing the packing from being forced 55
back in the direction of its length by any
violent gust of wind, as might be the case if
it were unprotected. The stiffening-strip
also serves as a wear-plate inside the jamb
and at the corner of the rail to prevent wear 60
on the packing.

In some large and heavy sashes, also those
which fit loosely in their seat, two of the
packings and stiffeners are used at the two
inner corners, as shown in Fig. 1. In such 65
cases they are located apart, but both point
outward toward the outside of the window.
Such wind as passes by one will be caught
by the other. Furthermore, they serve as a
mutual protection to keep the joint closed at 70
one or the other point if by any irregularity
in raising the sash one of the packings should
be accidentally opened.

This invention is applicable to all kinds of
windows, but especially to car-windows, and 75
the packing is effective, and is hidden from
sight and does not injure the appearance of
the window.

Having described my invention, I do not
claim, simply and broadly, a packing-strip 80
applied between the sash-rail and jamb.

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

1. The combination, with a window-sash
rail having one of its inner corners rounded 85
and provided with a depression, of a pack-
ing-strip attached to said rounded corner and
resting in said depression, its free edge stand-
ing outward against the jamb, and a metallic
stiffening-strip of less width also attached to 90
the corner outside the packing, said stiffen-
ing-strip serving the double purpose of a stiff-
ener and a wear-plate, as shown and described,
and for the purpose specified.

2. The combination, with a window-sash 95
rail having its two inner corners rounded
and provided with a depression, of two pack-
ing-strips attached, respectively, to the two

rounded corners and resting in the depressions, their free edges standing outward in the same direction against the jamb, and two metallic stiffening-strips also attached to the
5 corners outside the packings, the whole arranged to operate in the manner and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

DRAPER STONE.

Witnesses:

R. F. OSGOOD,
P. A. COSTICH.