

April 17, 1928.

1,666,327

W. J. DENNIS

WEATHER STRIP

Original Filed April 11, 1924

Fig. 1.

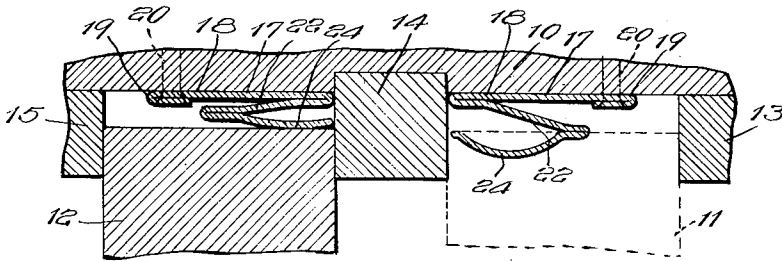
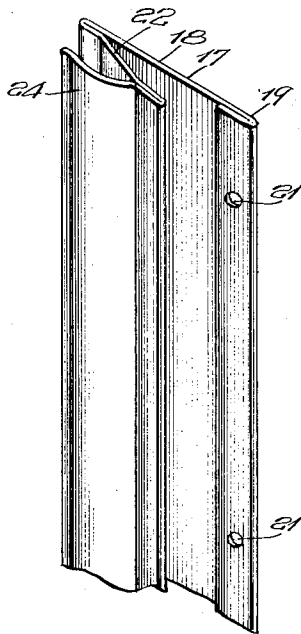


Fig. 2.



Witnesses:

William R. Kilroy

Harry R. White

Inventor.

William J. Dennis

Attest

By

Attest

UNITED STATES PATENT OFFICE.

WILLIAM J. DENNIS, OF CHICAGO, ILLINOIS.

WEATHER STRIP.

Original application filed April 11, 1924, Serial No. 705,834. Divided and this application filed June 18, 1925. Serial No. 37,988.

This application is a division of my co-
pending application, Serial No. 705,834, filed
April 11, 1924, and relates to weather strips
for use on doors, windows or the like. The
invention has among its objects the produc-
tion of devices of the kind described that
are inexpensive, convenient, efficient and sat-
isfactory for use wherever found applicable.
Many other objects and advantages of the
construction herein shown and described will
be obvious to those skilled in the art from
the disclosure herein given.

To this end my invention consists in the
novel construction, arrangement and combi-
nation of parts herein shown and described,
and more particularly pointed out in the
claims.

In the drawings, wherein like reference
characters indicate like or corresponding
parts:

Fig. 1 is a fragmentary horizontal section
through a window, a plurality of weather
strips embodying my invention being shown
in connection therewith; and

Fig. 2 is a fragmentary perspective view of
the weather stripping shown in Fig. 1.

In the drawing, the reference character 10
is a window casing of any suitable construc-
tion and adapted to accommodate an upper
sash 11 and a lower sash 12 of suitable con-
struction. One edge of the sash 11 rides be-
tween a stop-piece 13 and a partition strip
14. Likewise, one edge of the sash 12 rides
between the partition strip 14 and a stop
strip 15. Secured to the casing 10 and en-
gageable by the sashes 11 and 12 are a plu-
rality of weather strips 17 of substantially
identical construction, one strip being pro-
vided for the sash 11 and another strip being
provided for the sash 12.

Each weather strip 17 is preferably formed
from a strip of metal having some resiliency
and comprises a flat portion 18 adapted to
lie against the casing 10. One edge of the
flat portion 18 is folded back as at 19 to pro-
vide superimposed layers of metal through
which screws or nails 20 may be driven to
secure the weather strip to the casing 10.
The weather strip 17 may be provided with

holes or openings 21 to accommodate the
screws or nails 20. The opposite edge of the
flat portion 18 is also folded back to provide
an intermediate portion 22 which contacts
with a relatively small surface on the por-
tion 18, the remainder of the intermediate
portion 22 being spaced from the flat portion
18. The intermediate portion 22 connects the
flat portion 17 with a leaf portion 24 which
is formed by bending one edge of the inter-
mediate portion 22 back along and away
from itself. The leaf portion 24 is prefer-
ably arcuate in form so that it will not bite
into its associated sash 11 or 12. The weather
strip 17 associated with the sash 11 is shown
in the form it normally assumes when it is
not compressed by the sash 11. The weather
strip 17 associated with the sash 12 is shown
compressed by that sash, in which position
it effectually prevents a flow of cold air, dust,
dirt or the like from the space between the
sash and the casing.

Having thus described my invention, it is
obvious that various immaterial modifica-
tions may be made in the same without de-
parting from the spirit of my invention;
hence I do not wish to be understood as
limiting myself to the exact form, construc-
tion, arrangement and combination of parts
herein shown and described or uses men-
tioned.

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

A weather strip formed of a substantially
flat metal strip having one edge bent over
to lie on one face thereof, the other edge bent
over to form an intermediate portion having
one edge lying flat against that face of the
main strip onto which the first edge is fold-
ed, an outer yieldable leaf portion formed
by bending the outer edge of the intermedi-
ate portion back along and away from it-
self, and the extreme outer edge being slight-
ly curved away from the main strip to form
a convex bearing surface.

In testimony whereof I have hereunto
signed my name.

WILLIAM J. DENNIS.