

No. 678,080.

Patented July 9, 1901.

S. W. WILT.
CARPET OR DOOR STRIP.
(Application filed Jan. 10, 1901.)

(No Model.)

Fig. 1.

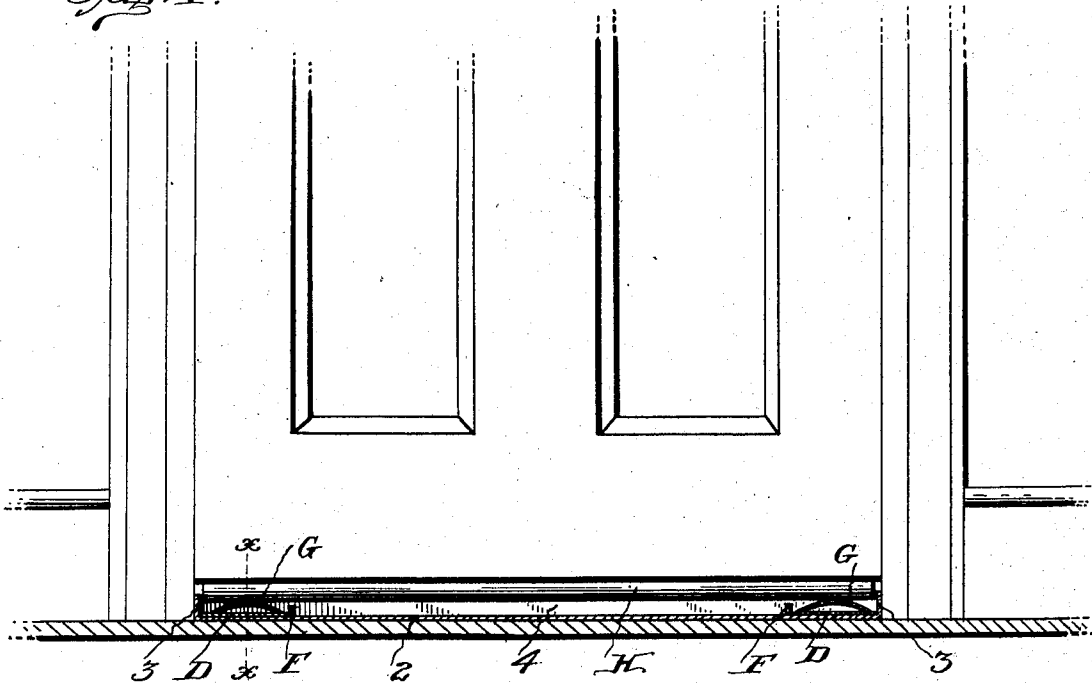


Fig. 2.

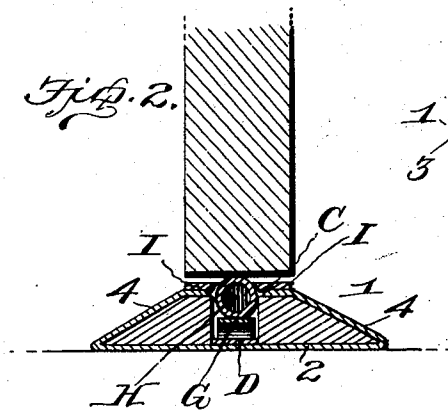
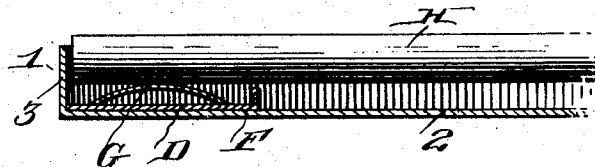


Fig. 4.



UNITED STATES PATENT OFFICE.

SAMUEL W. WILT, OF ALVADA, OHIO.

CARPET OR DOOR STRIP.

SPECIFICATION forming part of Letters Patent No. 678,080, dated July 9, 1901.

Application filed January 10, 1901. Serial No. 42,778. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL W. WILT, a citizen of the United States, residing at Alvada, in the county of Seneca and State of Ohio, have
5 invented certain new and useful Improvements in Carpet or Door Strips; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

The invention relates to door-sills or weather-protectors.

The object of the invention is to provide a
15 simple, durable, and inexpensive door-sill designed to take the place of an ordinary sill and which shall be of such construction as to exclude the admission of cold air or moisture and the escape from a room of warm air.

With this and other objects in view the invention consists in certain novel features of construction, combination, and arrangement
20 of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claim.

25 In the accompanying drawings, Figure 1 is an elevation of a portion of a door and casing, showing my improved door-sill in section and illustrating the manner of closing the space between said door and sill. Fig. 2 is an enlarged section on line $x x$, Fig. 1. Fig. 3 is a
30 perspective view of the sill or strip before being placed beneath the door. Fig. 4 is an enlarged sectional view through one end of the sill, roller, and spring.

35 Referring to the drawings, the numeral 1 denotes the casing, preferably made in one part, or it may be made in sections. This casing consists of a bottom 2, end piece 3, inclined side walls 4, and flat top portions C.
40 Interposed between the top portions and extending to the bottom of the casing is a longitudinal recess formed out of the body of the casing, as shown in Fig. 1. To the bottom of the recess and at opposite ends thereof I secure the flat body portion of plates D, the inner
45 ends of which are bent at right angles to said body portions, as shown at F, the outer ends thereof abutting against the end walls 3 of the casing.

50 The letter G indicates springs made in bow form, which are interposed loosely between the said end walls and the right-angled por-

tions F. The ends of these bowed springs rest on the flat body portions of the plates D for a purpose to be presently explained.

55 The letter H indicates the roller, made of any suitable material, being constructed with free and unobstructed ends, said ends being loosely mounted between the end walls of the casing, the body portion resting on the upper
60 portions of the bows of the springs G, whereby when pressure is brought to bear on the roller the ends of said springs are capable of having an endwise movement on the bodies of the plates D to or from the angles F of the
65 said plates and said end walls of the casing. On the opposite sides of the roller I secure to the flat top portions C of the casing plates I I, which extend slightly over the longitudinal recess, thereby to limit the upward movement
70 of said roller.

I attach importance to the construction of the plates D, whereby a housing is formed between the angles F thereof and the end walls of the casing, in which is loosely mounted
75 and operated the bowed springs G. I also attach importance to the roller H, loosely mounted between the end walls of the casing and resting on the bodies of the bowed springs.

Previous to my invention a door-sill with
80 a roller journaled in plates secured to door-jambs, the roller receiving its tension from strap-hinges secured at the ends in the recess of the sill, the opposite ends of the springs being mounted in the bifurcations of the
85 plates on the jambs, has been used. By my construction of roller I do away with the use of journals at the ends thereof, as the same is loosely mounted in the recess of the casing, its ends being free and unobstructed for
90 such purpose. The construction and arrangement of the angular plates with the bowed springs loosely mounted therein serves the purpose of the intermediate parts now in use for operating the roller.

95 Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a door-sill, or weather-strip, the combination with the casing, having a longitudinal
100 central recess therein, and plates, with flat body portions secured to the bottom of the recess, at opposite ends thereof, the inner ends of the plates, being bent at right angles

thereto, the outer ends of the plates abutting
against the end walls of the casing, and the
bowed springs, interposed between the end
walls of the casing, and the right-angled por-
5 tion of the plates, of the roller having free
and unobstructed ends loosely mounted in
the recess and resting on the body portions
of the springs, whereby the free ends of said
springs are capable of having endwise move-
10 ment on the bodies of said plates, and to and
from the angles thereof, and said end walls

when said roller is depressed, or retracted,
and the top plates, secured on opposite sides
of the roller, substantially as described.

In testimony whereof I have hereunto set 15
my hand in presence of two subscribing wit-
nesses.

SAMUEL W. WILT.

Witnesses:

O. B. BEITLER,
LIZZIE BEITLER.