

(No Model.)

W. T. VALLANDINGHAM.
WEATHER STRIP.*

No. 502,644.

Patented Aug. 1, 1893.

Fig. 1.

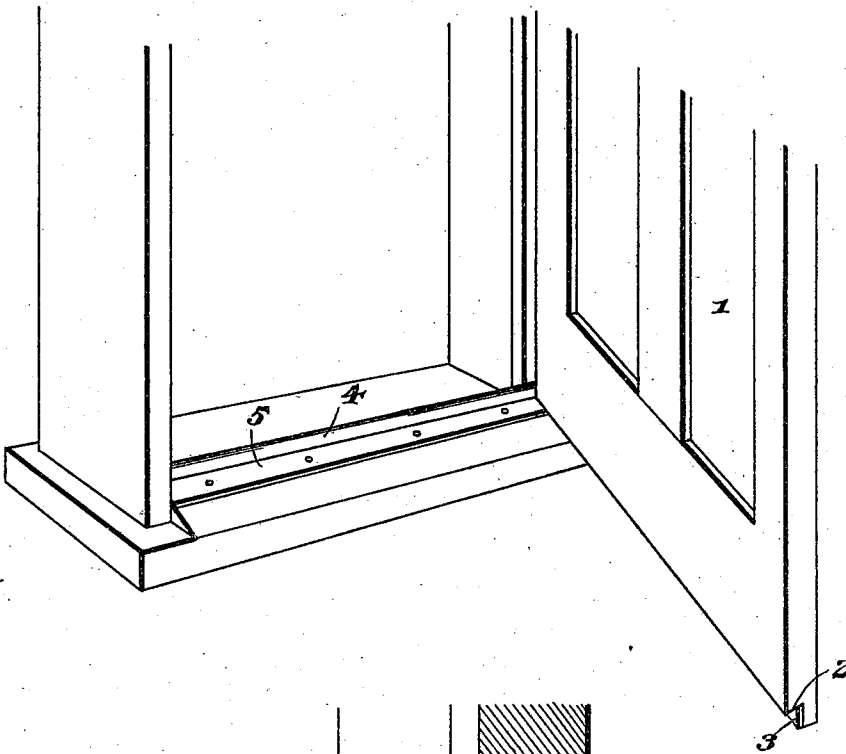
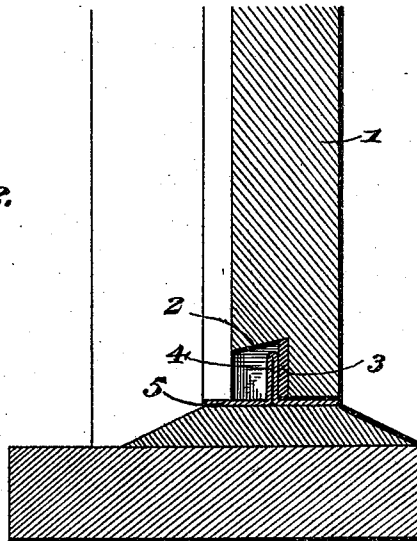


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM T. VALLANDINGHAM, OF ROSE HILL, IOWA.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 502,644, dated August 1, 1893.

Application filed March 3, 1893. Serial No. 464,560. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. VALLANDINGHAM, a citizen of the United States, residing at Rose Hill, in the county of Mahaska and State of Iowa, have invented a new and useful Weather-Strip, of which the following is a specification.

The invention relates to improvements in weather strips.

The object of the present invention is to simplify and improve the construction of weather strips, and to provide an efficient one which will not be liable to get out of order.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claim hereto appended.

In the drawings—Figure 1 is a perspective view of a weather strip constructed in accordance with this invention and shown applied to a door, the door being partly open. Fig. 2 is an enlarged vertical sectional view of the lower portion of the door, the latter being closed.

Like numerals of reference indicate corresponding parts in both the figures of the drawings.

1 designates a door provided in its lower edge at the outer side or face with a longitudinal recess 2 having an inclined upper wall and an approximately vertical inner or rear wall, which is provided with a strip 3 of elastic material. The elastic material preferably consists of a strip of rubber which is secured to the inner or rear wall of the recess 2, and which is adapted, when the door is closed, to abut against a vertical flange 4 of a metal strip 5 to form a tight water, dust and wind proof joint. The metal strip or plate 5 is ap-

proximately T-shaped in cross-section, and is secured longitudinally of the sill of the door and prevents the latter becoming worn and enlarging the crack or opening at the bottom of the door. The flange 4 of the strip or plate is arranged vertical, and the strip or plate may be constructed of cast metal or similar material, or may be formed of sheet metal bent to form the flange.

It will be seen that the weather strip is simple and inexpensive in construction, that it is devoid of springs or equivalent means for elevating a weather strip when the door is open, and that it is durable and will not get out of order.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

In a weather strip, the combination of a door provided at its lower edge with a longitudinal recess having a vertical inner wall, a strip of elastic material secured to the vertical wall of the recess and housed in the same and forming an elastic packing, and a sheet metal strip secured to the sill of the door and arranged longitudinally thereof and being T-shaped in cross-section to form a vertical flange to be engaged by the vertical wall of the recess of the door, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM T. VALLANDINGHAM.

Witnesses:

C. L. VALLANDINGHAM,
LUDWIG JENSEN.