No. 690,648. Patented Jan. 7, 1902.

C. W. GAUTSCHI.

WEATHER STRIP.

(Application filed Jan. 14, 1901.)

(No Model.)

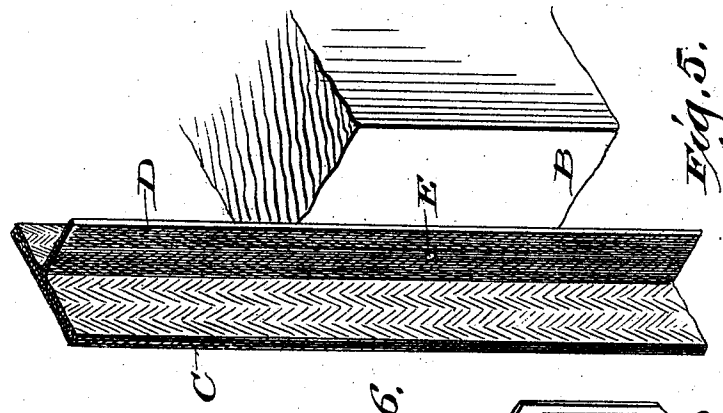


Fig. 5.

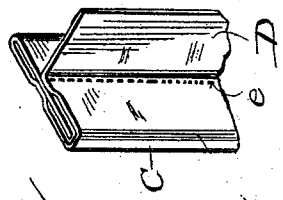


Fig. 6.

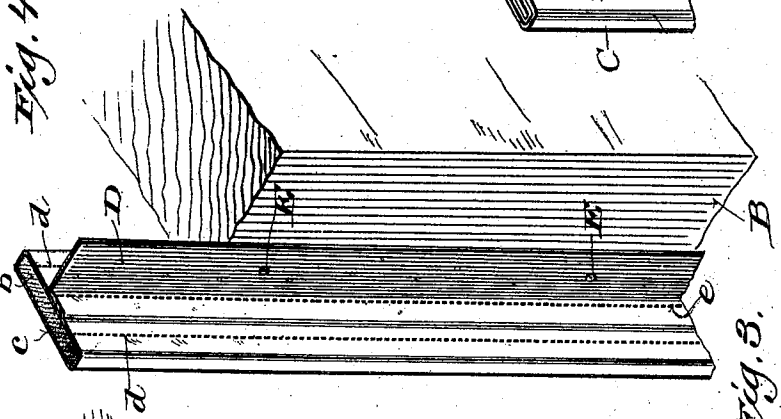


Fig. 4.



Fig. 3.

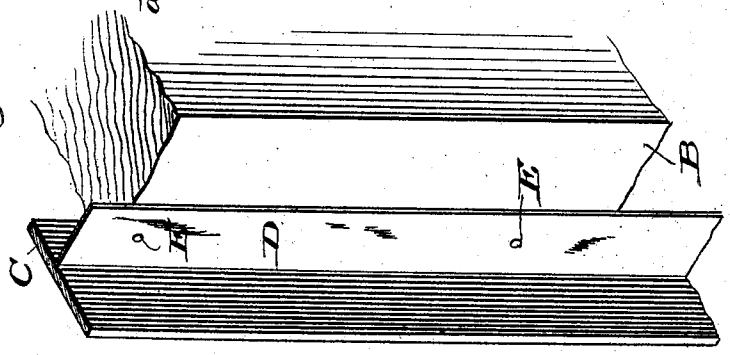


Fig. 2.

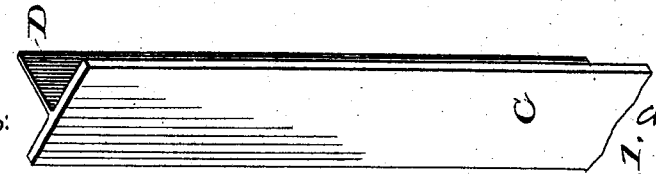


Fig. 1.

Witnesses:
Geo. W. Young.
B. C. Riff.

Inventor
Charlotte W. Gautschi
By H. G. Underwood
Attorneys

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

UNITED STATES PATENT OFFICE.

CHARLOTTE W. GAUTSCHI, OF MILWAUKEE, WISCONSIN.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 690,648, dated January 7, 1902.

Application filed January 14, 1901. Serial No. 43,130. (No model.)

To all whom it may concern:

Be it known that I, CHARLOTTE W. GAUTSCHI, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Weather-Strips; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to devices to be applied to the outer edges of doors and windows to exclude cold air and dust; and it consists in certain peculiarities of construction, as will be fully set forth hereinafter in connection with the accompanying drawings and subsequently claimed.

In the said drawings, Figure 1 is a perspective view of one form of my improved device. Fig. 2 is a like view showing the said device applied to the edge of a door. Fig. 3 is a detail horizontal sectional view showing how said device closes the opening between a door and its casing. Figs. 4 and 5 are views of different forms of my said device applied to the edges of doors as in Fig. 2. Fig. 6 is a perspective view of another form.

Referring to the drawings, A represents a portion of a door-casing, and B a portion of a door to which my device is attached. The said device comprises a strip C of any suitable material, having projecting at a right angle therefrom and preferably integral therewith a longitudinal strip D. E E represent nails, tacks, screws, or other suitable fastening devices whereby the strip D of said device is secured to the edge of a door or window.

In the form of device shown in Figs. 1, 2, and 3 the same is made of suitably-vulcanized soft india-rubber, the parts C and D being integral with each other.

In Fig. 4 I show my device made in two parts, the part C having a filling of cloth, felt, or other flexible substance, as shown at *b*, around which is wrapped or folded a piece of cloth *c* of less thickness and secured by lines of stitching *d d*, the cloth *c* being partly folded over itself adjacent to the longitudinal center, with another line of stitching *e* intermediate of the lines *d d*, so that the free edge of the cloth outside of said line of stitching *e* may form the part D of said device.

In Fig. 5 I show my device formed by knitting, the part C being of greater thickness than that of the part D, but all knitted together.

In Fig. 6 I show my device formed by folding a continuous strip of any suitable fabric or material—such as oil-cloth, enameled cloth, or any woven or knitted fabric—or any pressed or molded material—such as felt, for example—which may be united by a single line of stitching, as shown at *e*. In said Fig. 6 I have shown the folds of the fabric which form the part C separated to avoid confusion of lines; but it will be understood that in practice the fabric is folded closely together.

In all the forms here represented I have shown the part D as of materially less thickness than that of the part C, and this is desirable, as frequently doors fit very closely within their casings, and hence a thin attaching-strip is necessary. Further, it will be noted that the strip D is not located in the longitudinal center of the strip C, the reason being so that the part of the said strip C farthest from the line of attachment to the door may have additional protection, so as to cover wide spaces between the door edge and door-casing, as such are not uncommon, particularly in houses that have been built for some time.

My device may be made in long continuous strips from which the desired lengths can be cut as required and will be found a very economical and satisfactory article for the purpose intended.

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

1. The combination with a door-casing and door of a single straight flat longitudinal flexible strip, attached to the edge of said door between the same and the opposed edge of said casing, and another flexible longitudinal strip permanently secured to said first-named strip, at right angles thereto and projecting in opposite directions therefrom, whereby, when said door is closed, the opening between it and the casing is wholly closed and concealed.

2. The combination with a door-casing and door, of a single straight flat flexible longitudinal strip, secured to the free edge of said door and being of sufficient thinness to avoid con-

tact with the opposed edge of the casing when the door is closed, and another flexible longitudinal strip permanently secured to said first-named strip at right angles thereto, and projecting in opposite directions therefrom, that portion of said last-named strip which extends beyond said door projecting laterally to a point beyond the line of the opening between the opposed edges of the said door and casing.

3. A weather-strip, comprising a flexible longitudinal strip in combination with another longitudinal strip permanently secured to the first-named strip and projecting therefrom at right angles on a line at one side of the longitudinal center of said first-named strip.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

CHARLOTTE W. GAUTSCHI.

Witnesses:
H. G. UNDERWOOD,
B. C. ROLOFF.