

(No Model.)

G. G. WAGNER.

WEATHER STRIP.

No. 311,392.

Patented Jan. 27, 1885.

Fig. 1.

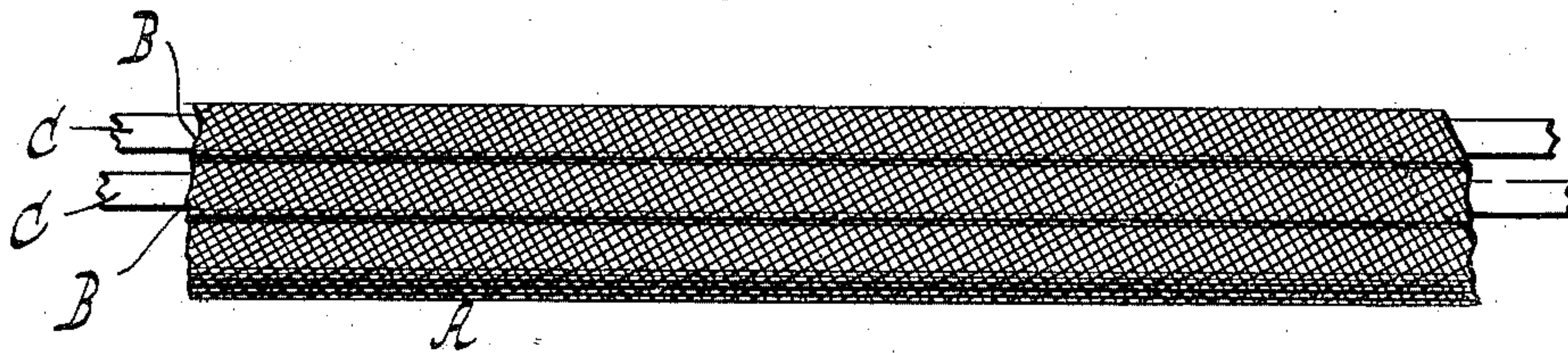
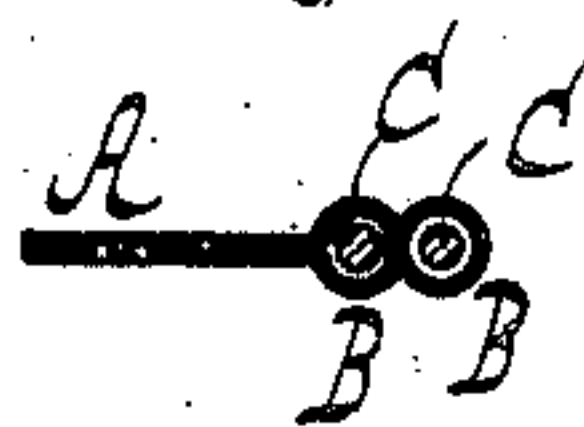


Fig. 2.



Fig. 3.



WITNESSES:

Chas. Wahlers.

William Miller

INVENTOR

Gustavus G. Wagner

BY *Van Santvoord & Hauff*

ATTORNEYS

UNITED STATES PATENT OFFICE.

GUSTAVUS G. WAGNER, OF MOUNT VERNON, NEW YORK.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 311,392, dated January 27, 1885.

Application filed January 16, 1883. (No model.)

To all whom it may concern:

Be it known that I, GUSTAVUS G. WAGNER, a citizen of the United States, residing at Mount Vernon, in the county of Westchester and State of New York, have invented new and useful Improvements in Weather-Strips, of which the following is a specification.

This invention is a new manufacture consisting of a woven, knitted, or braided weather-strip, which is provided with a longitudinal rib or ribs, and formed integral with a pocket or pockets to receive the rib or ribs, so that the strip possesses the required rigidity to preserve or retain its position in use.

This invention is illustrated in the accompanying drawings, in which Figure 1 represents a side view. Fig. 2 is a cross-section. Fig. 3 is a like section showing a modification.

Similar letters indicate similar parts.

The letter A designates the body of the strip, B its pockets, and C the ribs.

In carrying out my invention I weave, knit, or braid the strip A of a fibrous or textile material in any usual or suitable manner integral with the pockets B, and insert or introduce the ribs C into the pockets, either in the process of manufacturing the strip or subsequently, as may be found most advantageous. The direction of the pockets B is lengthwise of the strip, and hence when the ribs C have been put in place the strip is thereby rendered sufficiently rigid to preserve its shape or position when applied to use. In the example shown said ribs C and their pockets are two in number; but it is evident that a single rib will answer the desired purpose.

Instead of inclosing the ribs C in the pockets B, they may be introduced as a weft in the process of weaving the strip with a like result.

For the purpose of imparting to the strip a superior body or fullness, it is made of tubular shape on one edge, thus forming an air-cushion, as shown in Figs. 1 and 2, and this construction thereof forms an important feature of my invention; but, if desired, the strip may be left plain, as shown in Fig. 3.

For the purpose of closing the meshes of the strip and making it impervious to air and water, it is coated with oil, paint, or any other suitable material.

I am aware that a weather-strip has heretofore been made of a textile fabric and furnished with a strip of rigid material; but such strip is cut from a web of the required fabric, and is not woven, knitted, or braided by itself to constitute a finished article, it having raw edges, in distinction from my strip, which has selvages throughout, thus presenting a neat appearance, and possessing superior strength and durability.

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

1. A woven, knitted, or braided weather-strip having its body formed integral with a longitudinal pocket or pockets containing a longitudinal rib or ribs, substantially as and for the purpose described.

2. A woven, knitted, or braided weather-strip having its body made tubular on one edge and integral with a longitudinal pocket or pockets containing a rib or ribs, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

GUSTAVUS G. WAGNER. [L. S.]

Witnesses:

W. HAUFF,

CHAS. WAHLERS.