

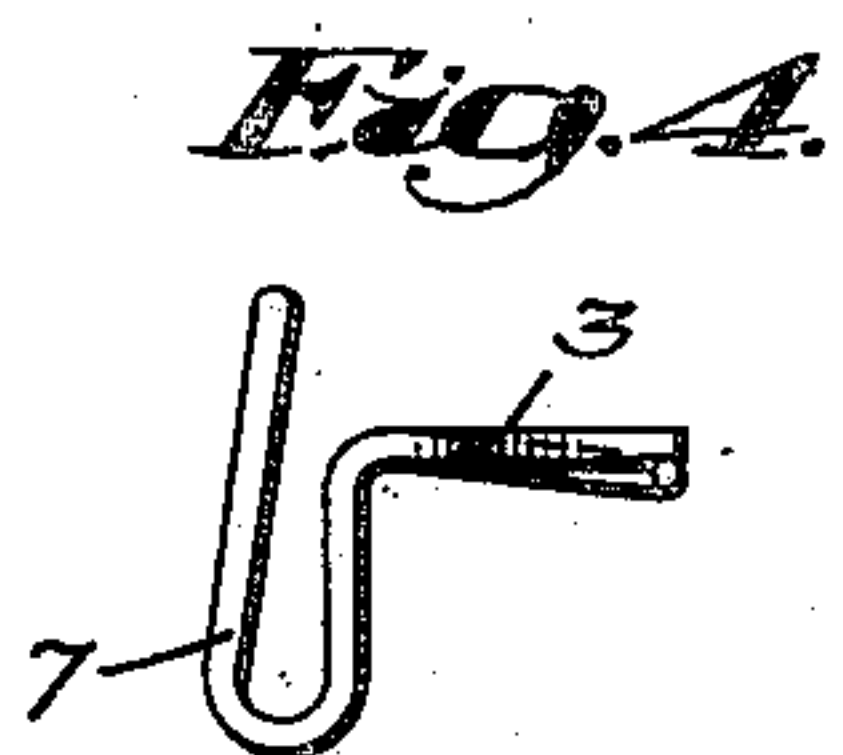
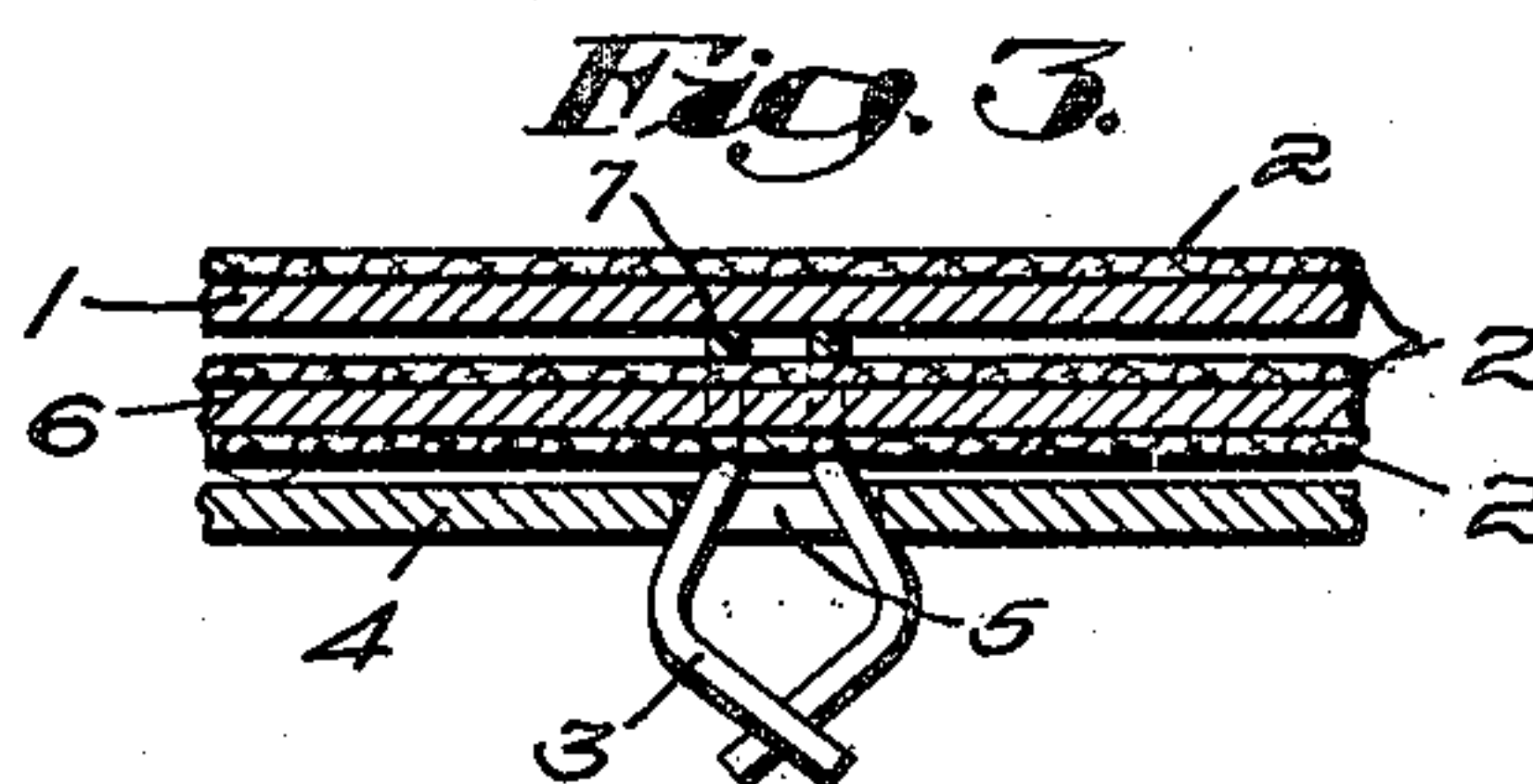
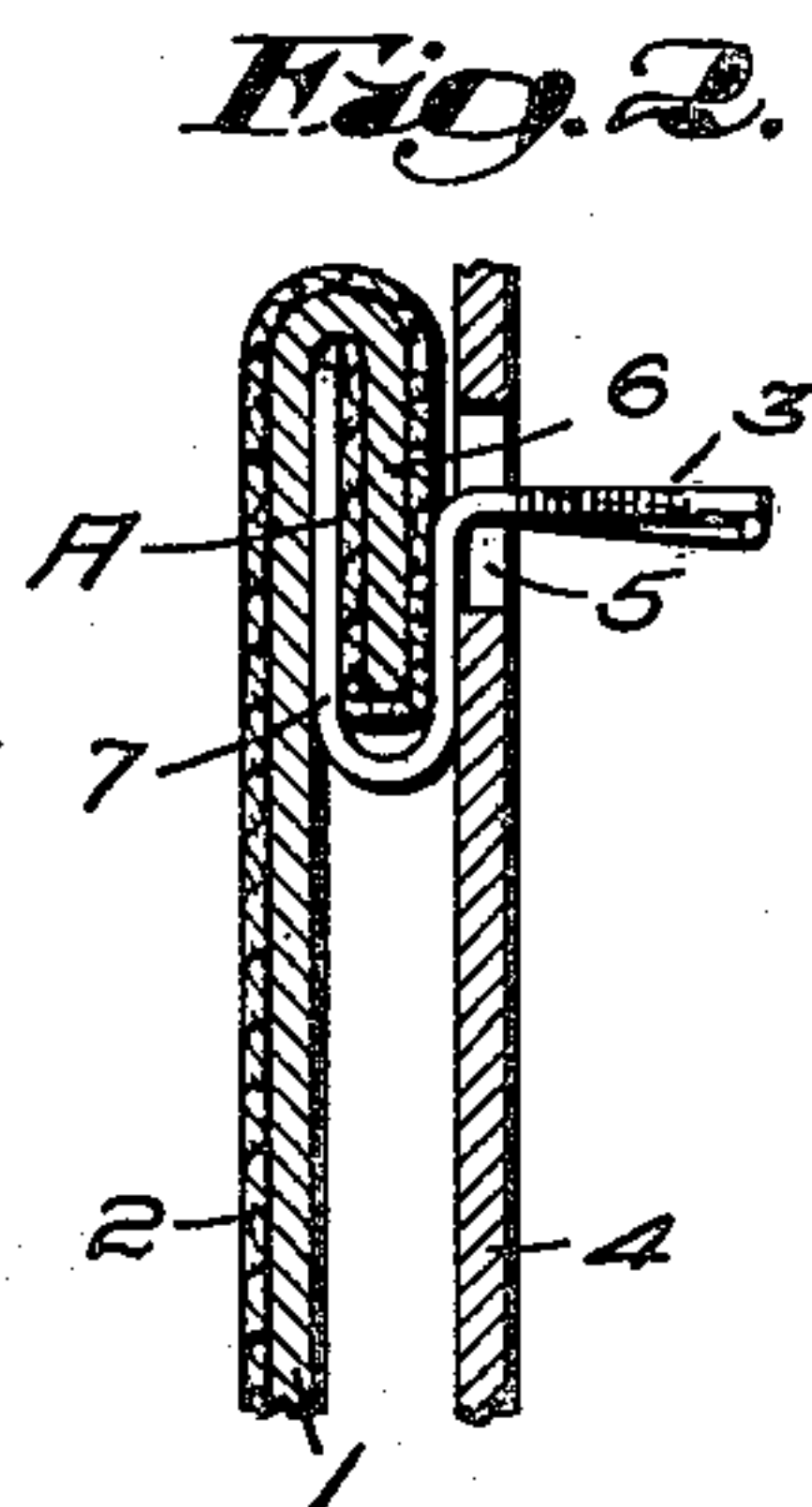
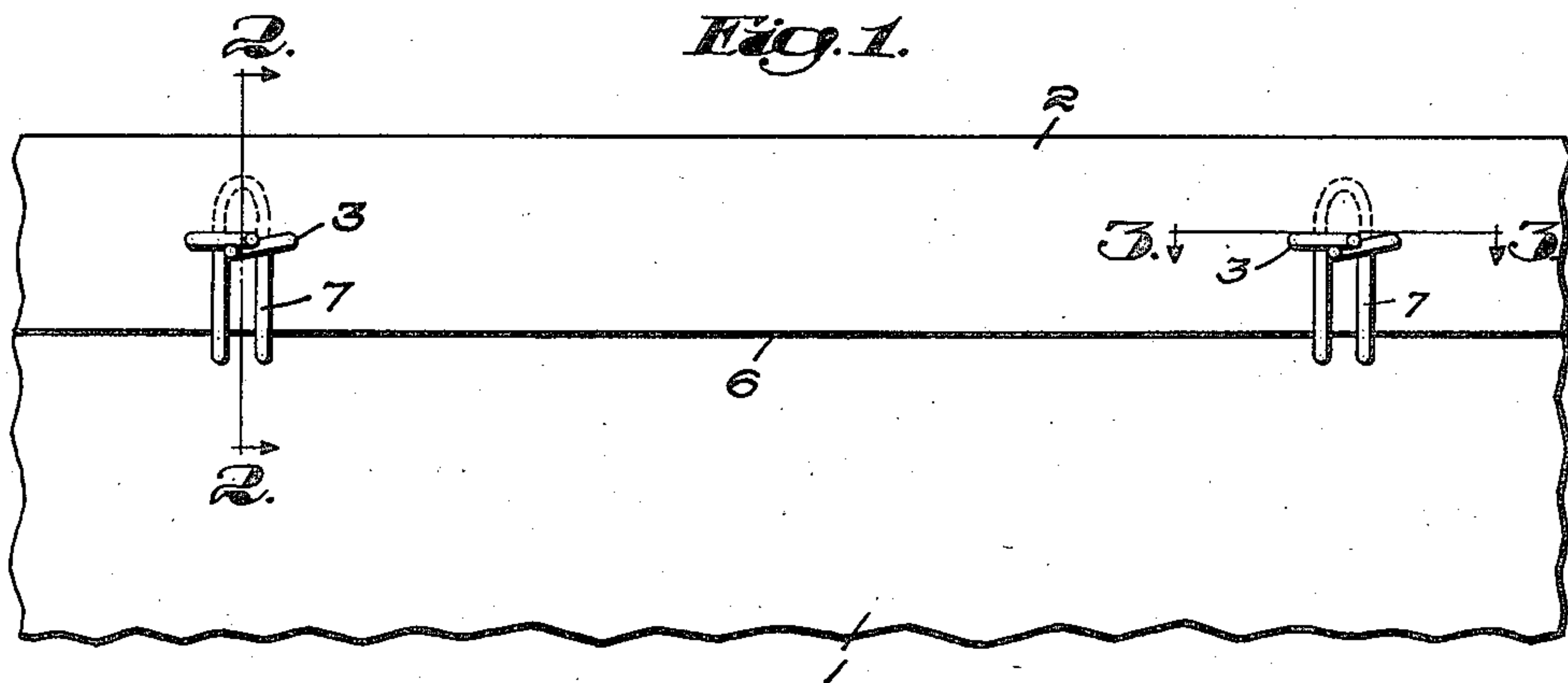
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W. I. JONES

2,012,243

TRIMMING INSTALLATION

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*Inventor:*  
**Walter I. Jones**  
*by* Emery, Booth, Varnum & Townsend  
*Attys*



## UNITED STATES PATENT OFFICE

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## TRIMMING INSTALLATION

Walter I. Jones, Arlington, Mass., assignor to  
United-Carr Fastener Corporation, Cambridge,  
Mass., a corporation of Massachusetts

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2 Claims. (Cl. 45—138)

My invention aims to provide improvements in trimming installations and particularly improvements in installations involving the upholstery of vehicle bodies and the like by means of detachably secured panels.

In the drawing which illustrates a preferred embodiment of my invention:—

Figure 1 is an elevation view of a portion of an upholstery panel as viewed from the inner face thereof;

Fig. 2 is a section taken on the line 2—2 of Figure 1 and also showing, in section, a portion of the upholstery supporting structure;

Fig. 3 is a section taken on the line 3—3 of Figure 1 and also shows a portion of the supporting structure; and

Fig. 4 is a side elevation of the fastener per se.

Referring to the embodiment of my invention illustrated by the drawing, I have shown a trimming installation for automobiles and the like. The trimming installation shown includes a backing 1 of cardboard, or the like, covered on one side by flexible material 2 such as cloth or the like and snap fastener members 3 for attaching the panel to a framework 4 by engagement in apertures 5, as shown in Figs. 2 and 3.

It is a feature of my invention to attach the snap fastener members 3 to the panel without forming holes therein. Therefore, I may ship the panels and fasteners separately to the point where the panels are to be attached. To accomplish the idea of providing an imperforate panel, so far as the fasteners are concerned, I provide flanges 6 at the periphery of the panel (a portion of one flange being shown) and at the inner face thereof, as shown in Figs. 1 and 2. A flange 5 is formed by bending over a portion of the backing 1. If the covering material 2 is used the edges thereof are folded over the edges of the backing and over the free edges of the flanges 6, so that no fastening means is necessary to secure the finishing material to the backing. An adhesive material may be used at A (Fig. 2), if desirable, but it is not necessary, as will be hereinafter described. Also an adhesive material may be applied intermittently between the upholstery covered flanges 6 and the backing to keep the flanges in position during transit if it is necessary.

The snap fastener members 3 may be made of wire, as illustrated, or from sheet metal, or in any suitable manner providing each is provided with a U-shaped base 7 providing a clip-like portion. Therefore, it is a simple and easy mat-

ter to apply fastener members 3 at any point along the flanges 6 at the inner face of the panel by sliding the clip-like base 7 of each over the free edge of the flange, as shown in Fig. 2.

Each clip-like base (Fig. 4) has the "legs" of the U formed so that the space between them is less at the mouth of the U than at the base. Since the fastener is made of yieldable material the "legs" may be spread when forced over the flange 6 and therefore the flange is gripped tightly and the fastener is held in a predetermined position. It should be understood, however, that the fasteners may shift laterally to align with corresponding apertures 5 in the supporting structure 4 when the panel is being attached.

My invention is simple, easy to assemble, very inexpensive to manufacture and exceedingly efficient. That portion of each base 7 of the fasteners which extends between the flange and the backing extends nearly to the edge of the panel and, therefore, presses the panel tightly against the framework so that there is no relative movement between the body of the backing 1 and the flanges 6 when the installation is complete. Furthermore, the flexible material is gripped tightly by the bases of the fasteners and held in place thereby even though no adhesive material is used.

While I have illustrated and described a preferred embodiment of my invention, I do not wish to be limited thereby because the scope of my invention is best defined by the following claims.

I claim:

1. In combination, relatively stiff covering material having an edge turned back into substantial parallelism with the body thereof, a flexible covering material covering the front side of the stiff covering material and wrapped about inner and outer faces of the turned-back portion thereof and a snap fastener carried by said covering material and comprising a head and means disposed in spaced relation thereto and substantially parallel to said head and a shank formed to make snap fastening engagement with a member to which the covering material is to be attached, said head and means being disposed on opposite sides of the covered turned-back portion and gripping the same between them.

2. In combination, a relatively stiff covering material of cardboard and the like, a narrow strip of material located at one face adjacent to the edge and in substantial parallelism with the covering material, a flexible covering material covering



the front side of the stiff covering material and wrapped about inner and outer faces of the narrow strip and a snap fastener comprising a head and means disposed in spaced relation  
5 thereto and substantially parallel to said head and a shank formed to make snap fastening

engagement with a member to which the covering material is to be attached, said head and means being disposed on opposite sides of the covered strip and gripping the strip and flexible covering between them.

WALTER I. JONES.