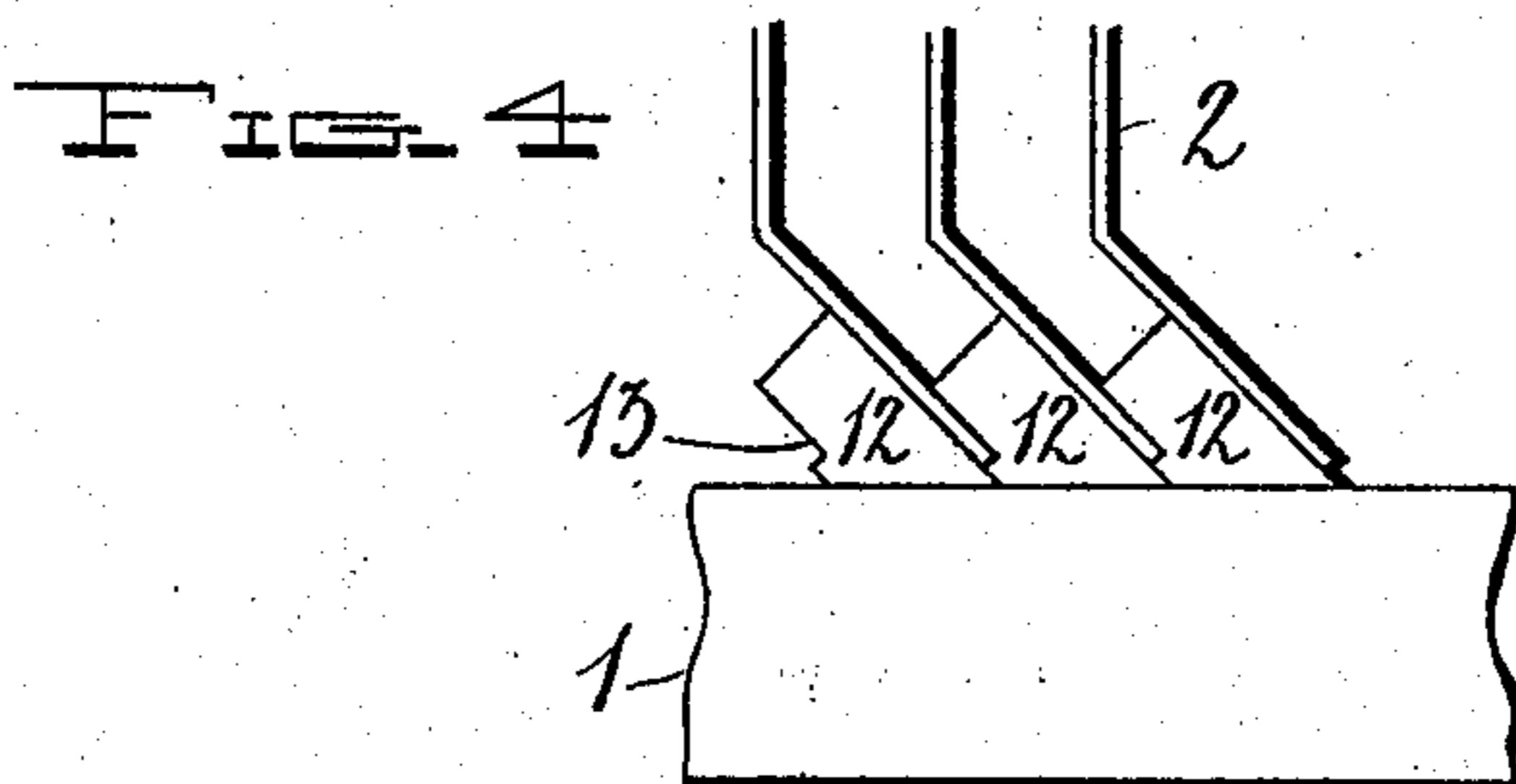
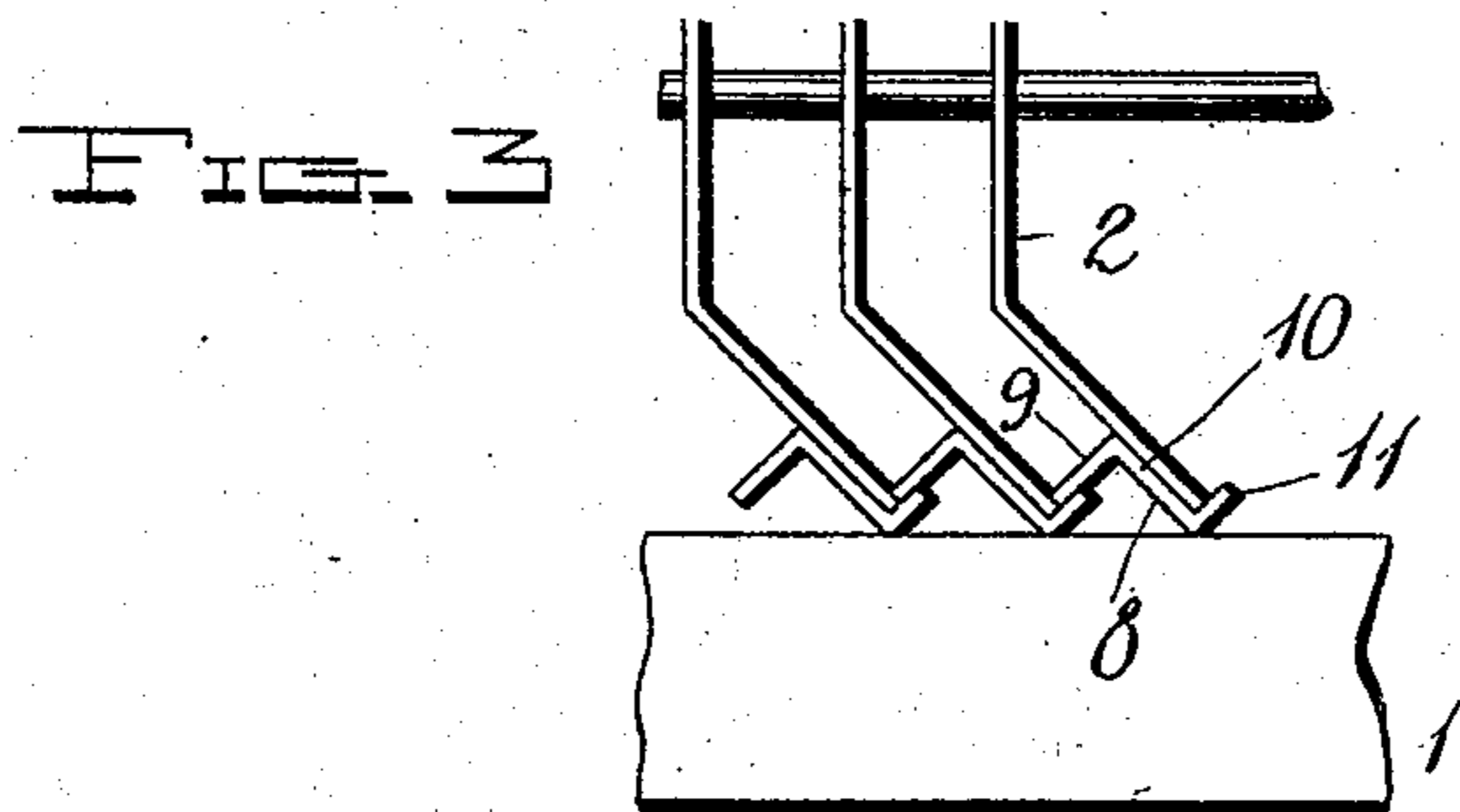
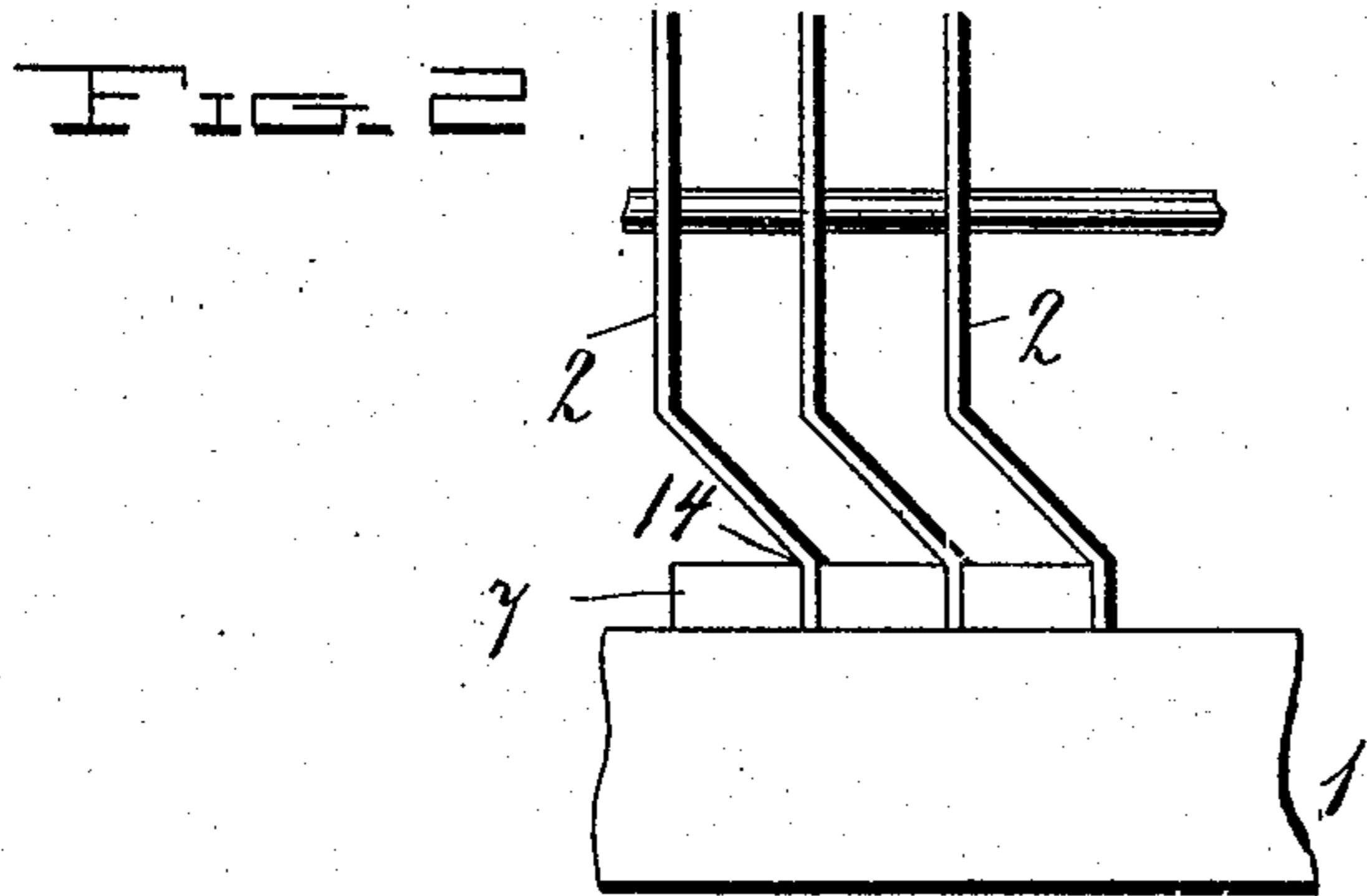
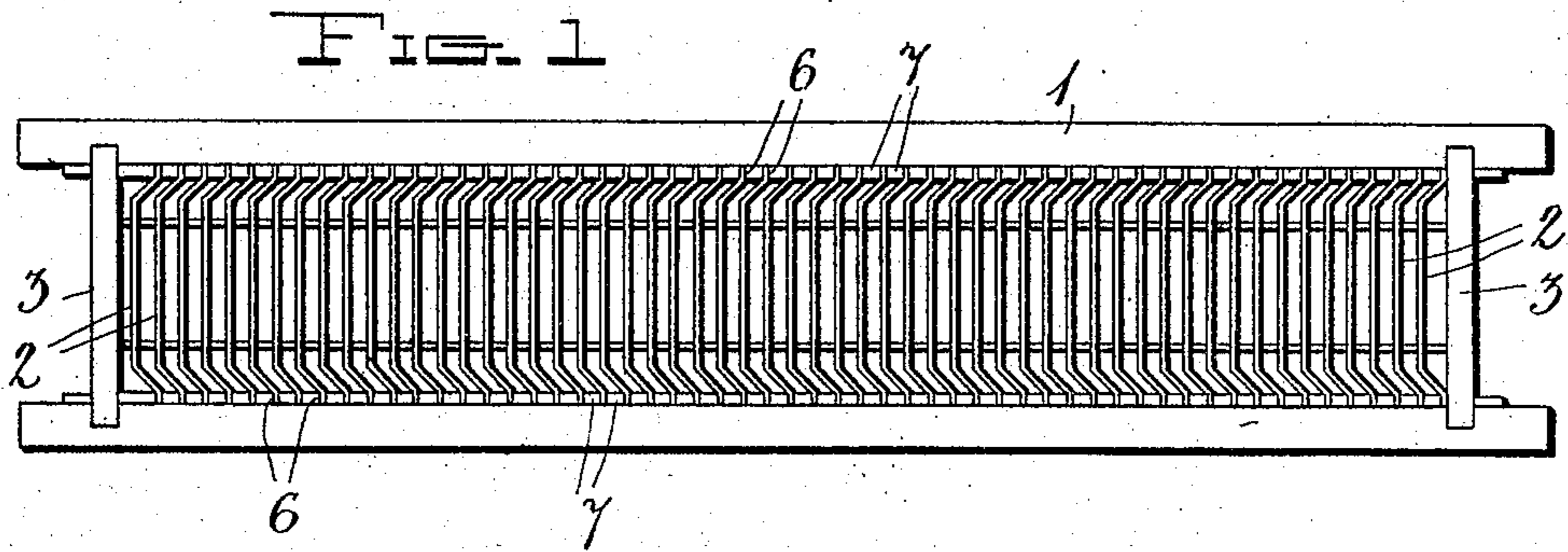


No. 806,578.

PATENTED DEC. 5, 1905.

F. McM. SAWYER.  
MOLD.

APPLICATION FILED APR. 3, 1905.



Witnesses  
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# UNITED STATES PATENT OFFICE.

FRANK McMURRAY SAWYER, OF CHARLOTTE, NORTH CAROLINA.

## MOLD.

No. 806,578.

Specification of Letters Patent.

Patented Dec. 5, 1905.

Application filed April 3, 1905. Serial No. 253,658.

*To all whom it may concern:*

Be it known that I, FRANK McMURRAY SAWYER, a citizen of the United States, residing at Charlotte, in the county of Mecklenburg and State of North Carolina, have invented certain new and useful Improvements in Molds; 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 appertains to make and use the same.

My invention is an improved mold for molding roofing-tiles and other like articles; and it consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

The object of the invention is to provide an improved mold of this character which is adapted for molding a number of tiles simultaneously and the parts of which are adapted to be readily assembled and separated.

In the accompanying drawings, Figure 1 is a top plan view of a mold embodying my improvements. Fig. 2 is a detail top plan view of the same. Fig. 3 is a similar view showing a modification, and Fig. 4 is a similar view showing another modification.

In the embodiment of my invention I provide a suitable number of longitudinal mold-pieces 1 and of transverse mold-pieces 2. The longitudinal pieces are here shown as boards, and they are connected together by cross-bars 3, which are detachably secured thereto. Any suitable means may be employed for detachably connecting the longitudinal pieces 1 together, and I do not desire to limit myself in this particular. Furthermore, any suitable number of longitudinal pieces may be employed, according to the desired capacity of the mold. Between each pair of longitudinal pieces 1 are placed a plurality of the transverse mold-pieces 2. The same are made of sheet-steel or any other suitable metal, are bent or shaped according to the size and shape of the tiles or other articles to be molded between them, and are arranged in parallel relation and suitably spaced apart, as shown. The longitudinal pieces are formed on their opposing sides with vertical transverse corrugations or notches or flutes 6, which may be of any required form, according to the character of the transverse mold-pieces, and of the form of the

tiles or other articles which are to be formed in the mold. The notches, corrugations, or flutes of the longitudinal pieces are of a width which is greater than the thickness of the transverse pieces, so that the said notches, corrugations, or flutes serve to appropriately space the transverse pieces apart and to also form the side edges of the molded articles. The corrugations, notches, or flutes are formed by detachable strips or pieces 7, which may be of metal, bear against the longitudinal pieces, are fitted between the transverse pieces, and are held in place by the angles 14, formed in the transverse pieces near their side edges.

In the form of my invention shown in Fig. 2 the said detachable strips or pieces 7 are of oblong rectangular form in cross-section.

In the form of my invention shown in Fig. 3 the detachable strips 8 are made of sheet metal, bent to form right-angular surfaces 9 to respectively lie perpendicular to the contiguous parts of the transverse pieces and to lie parallel and in contact with said transverse pieces, the said strips or side pieces being also formed with outwardly-extending flanges 11, which engage the outer edges of the transverse pieces.

In the form of my invention shown in Fig. 4 the detachable strips 12 are of substantially triangular form in cross-section and are each provided on one side with a rabbet 13 to receive the side edge of one of the transverse plates or pieces.

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

The herein-described mold comprising the side pieces, the transverse pieces between the side pieces and having their sides bent to form angular offsets at their edges, and the detachable strips on the inner sides of the side pieces, lying between and spacing the transverse pieces and bearing against the angular offset portions of said transverse pieces and held in place thereby.

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

FRANK McMURRAY SAWYER.

Witnesses:

ERNEST DAVIS,  
CECIL C. BUTT.