

No. 672,323.

Patented Apr. 16, 1901.

R. GENTSCH.

DIE FOR STAMPING OUT LABELS. &c.

(Application filed July 7, 1900.)

(No Model.)

3 Sheets—Sheet 2.

Fig. 16.

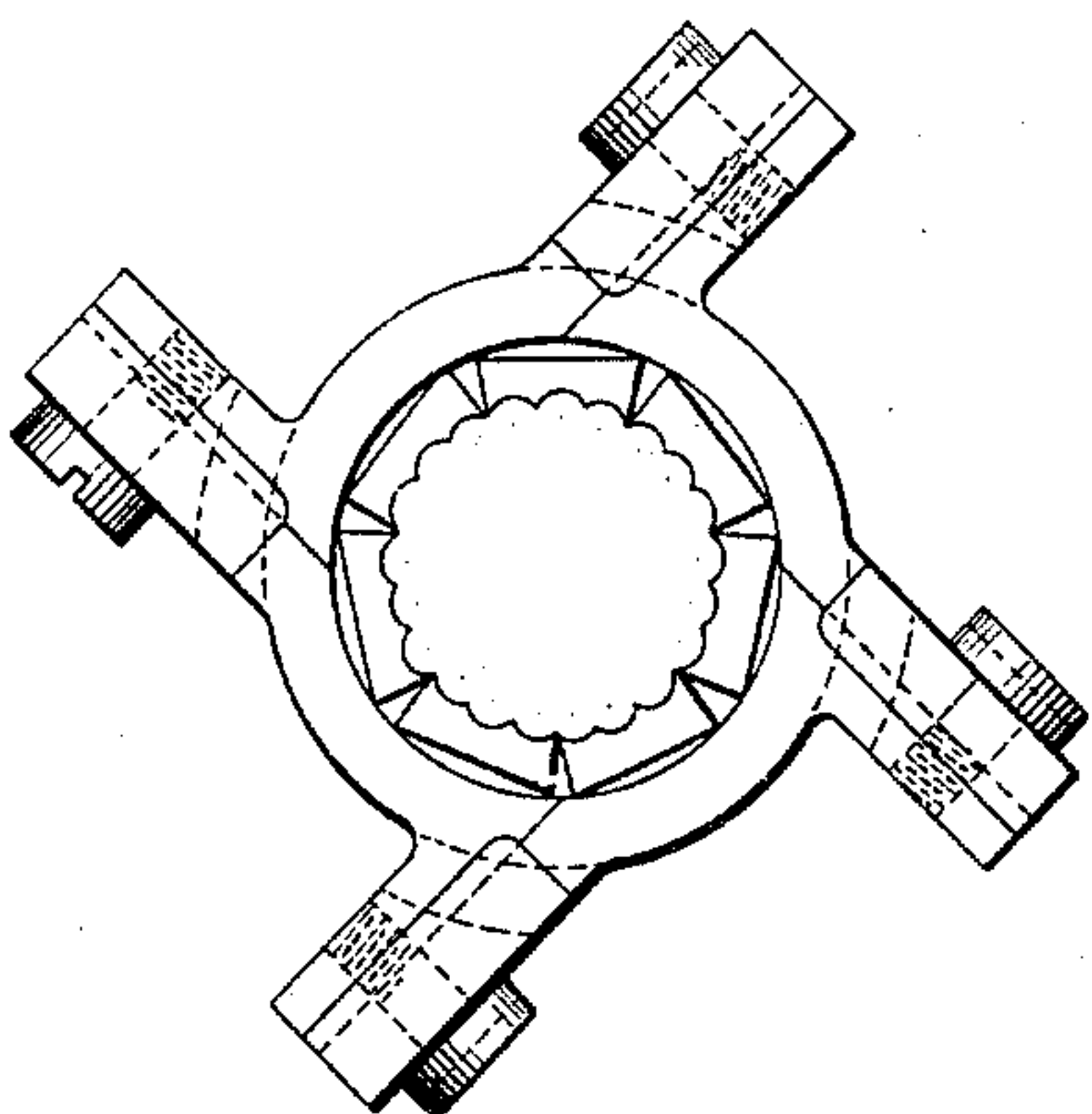


Fig. 19.

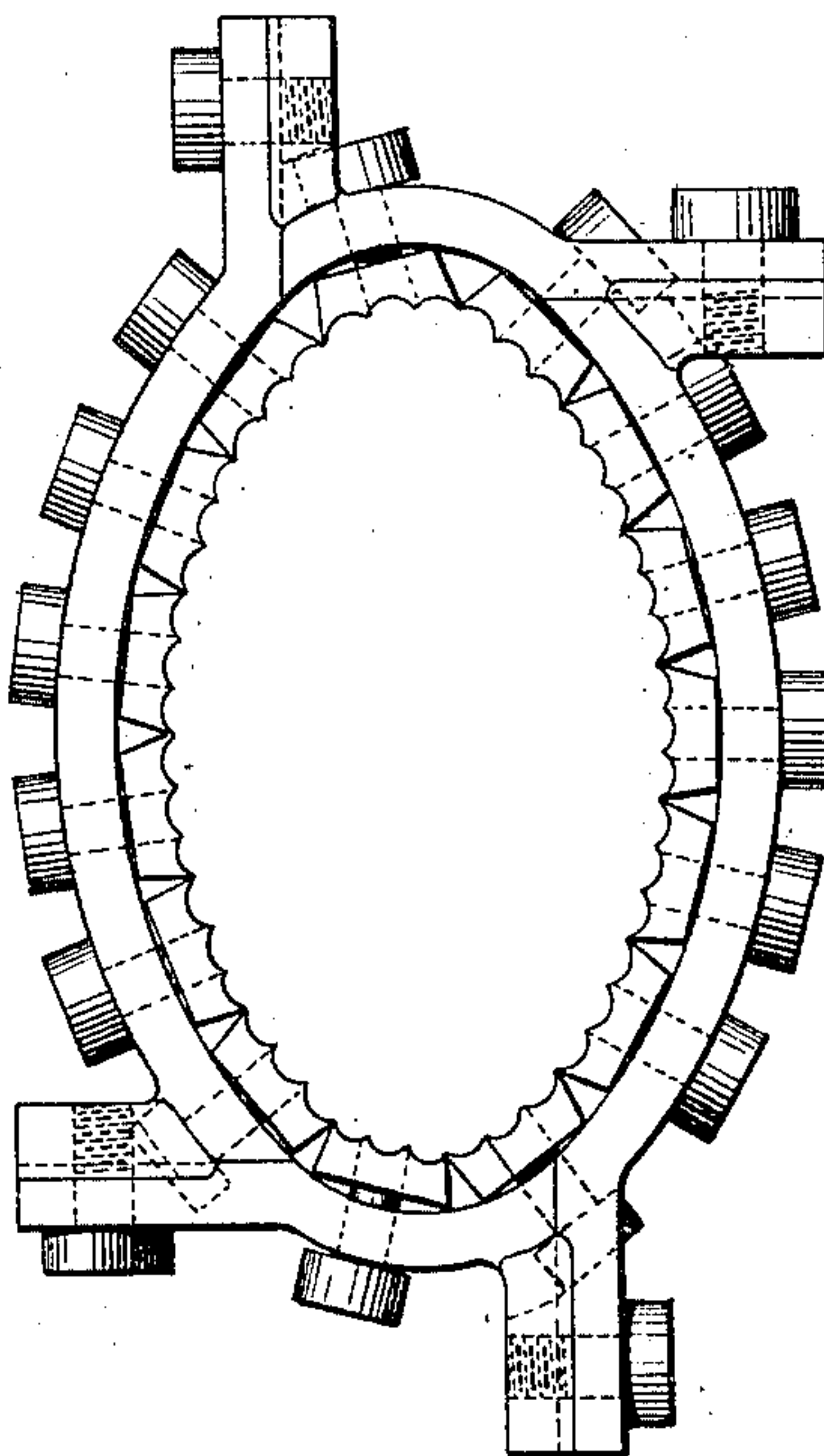


Fig. 17.

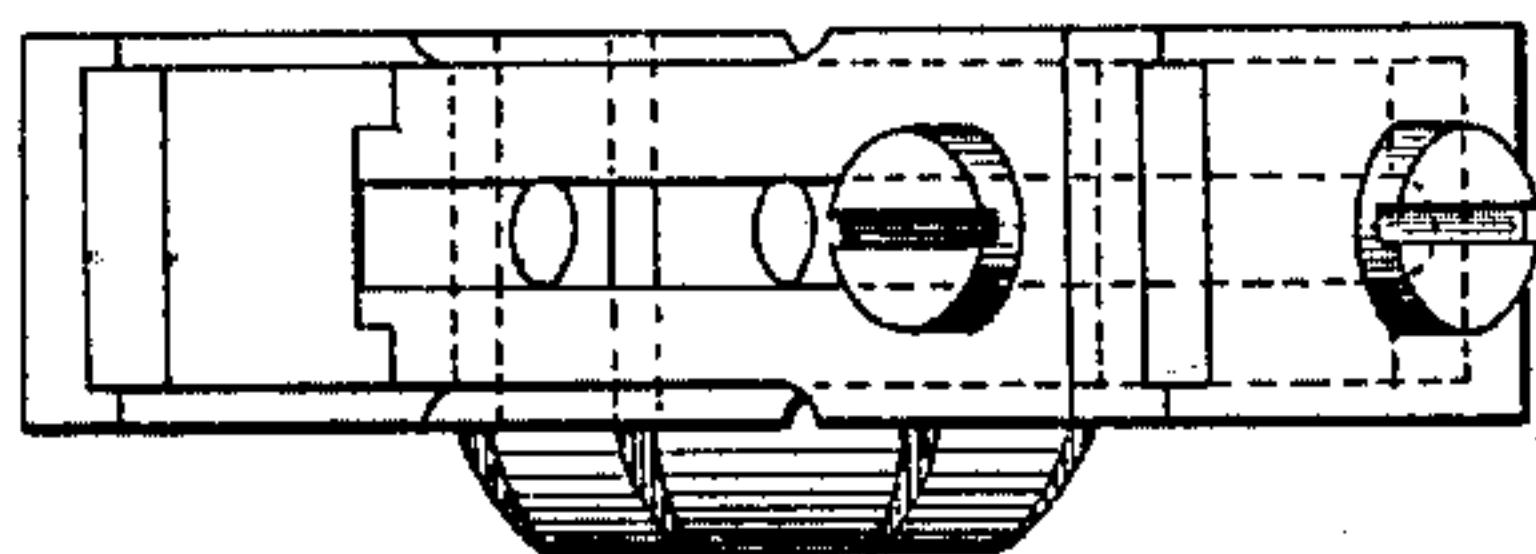
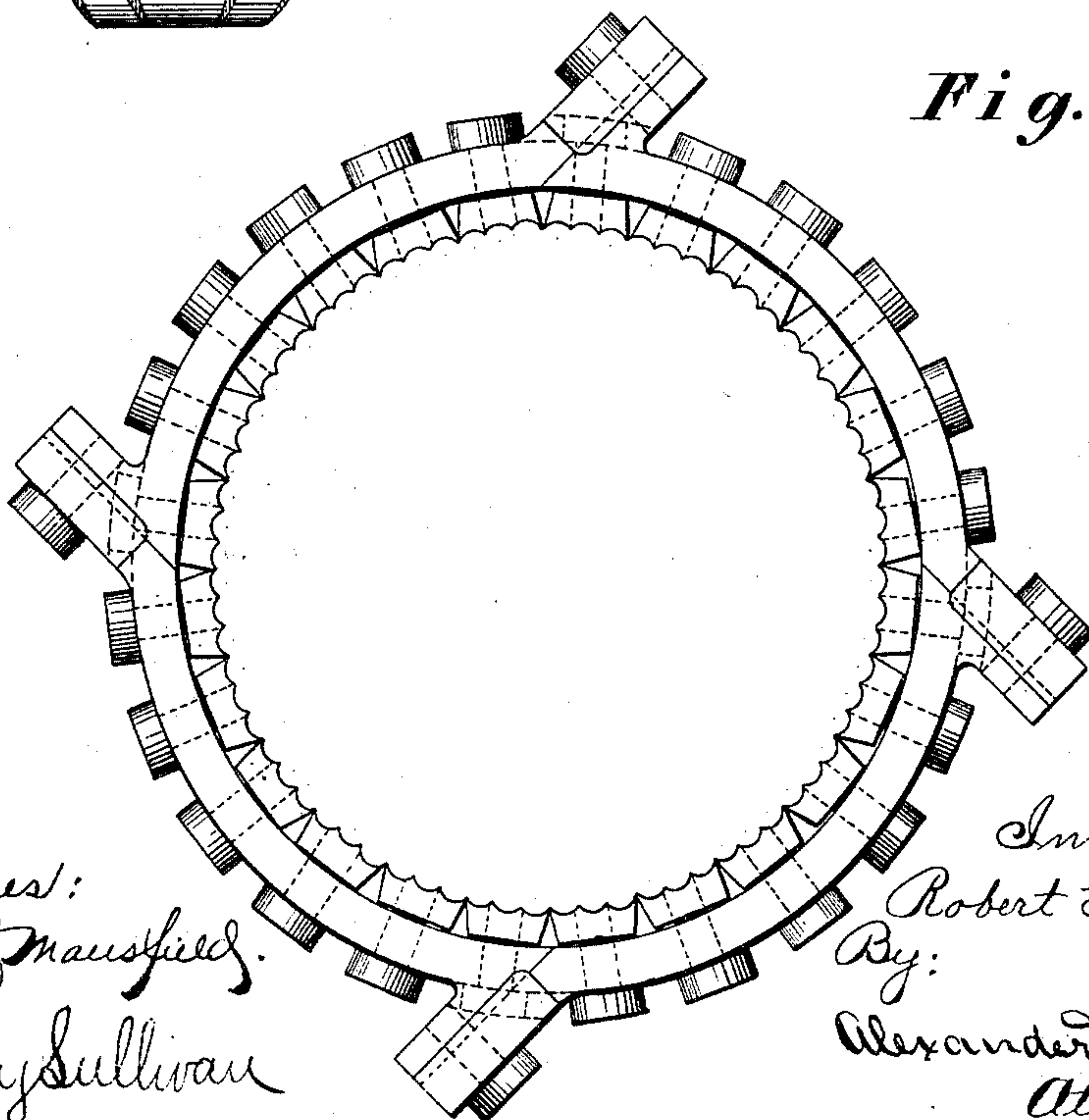


Fig. 18.



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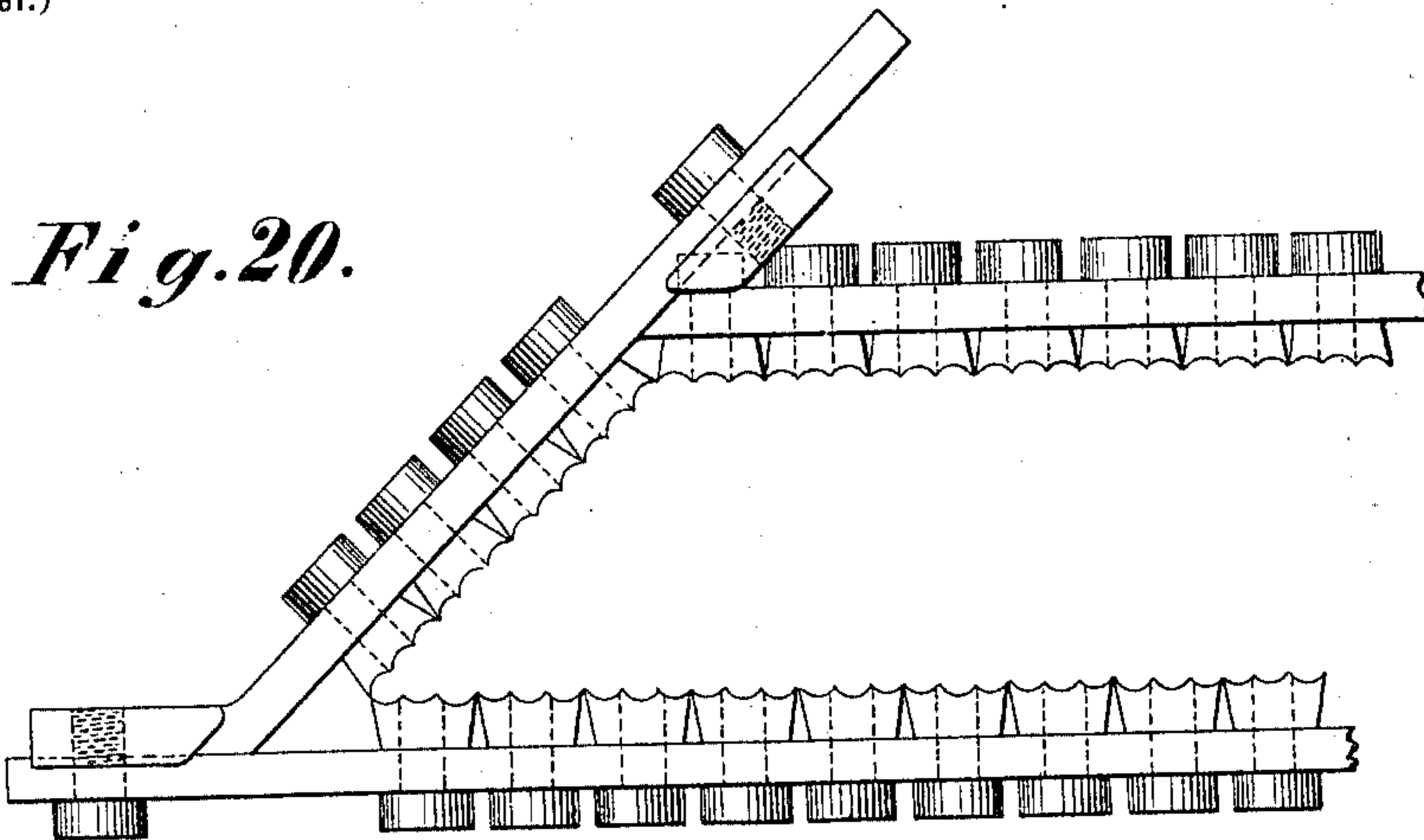


Fig. 22.

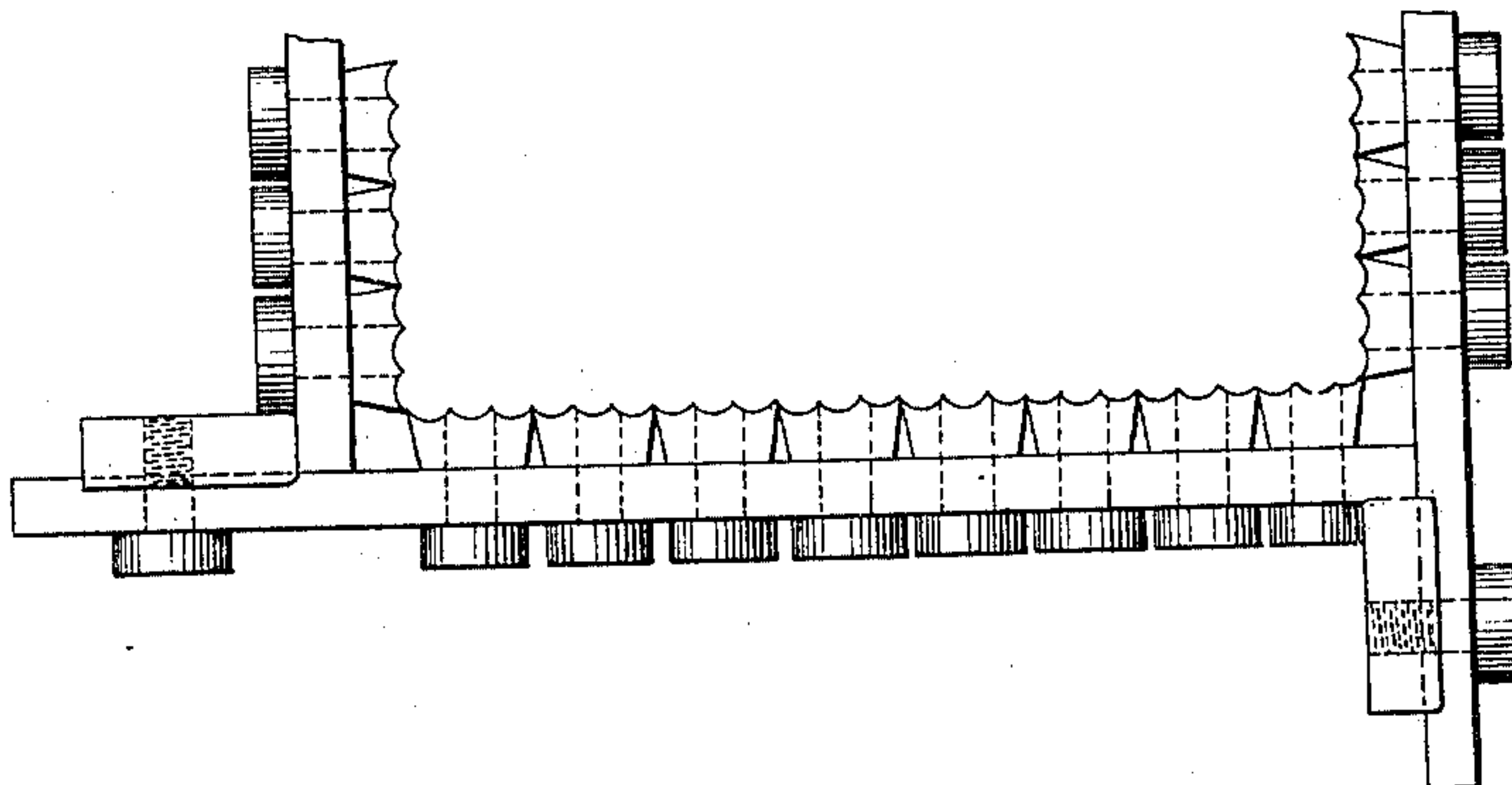
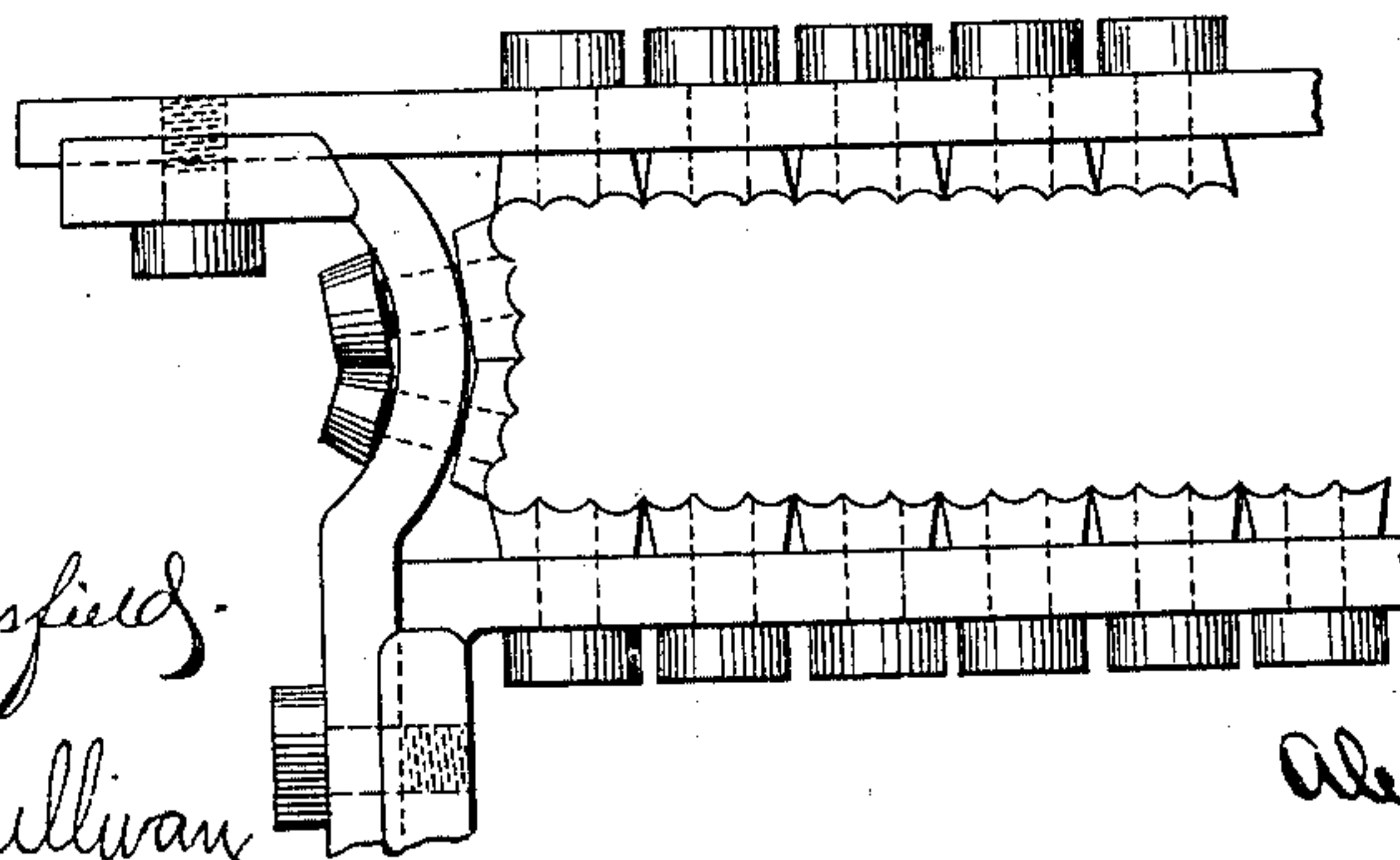


Fig. 21.



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UNITED STATES PATENT OFFICE.

ROBERT GENTSCH, OF LEIPSIC, GERMANY.

DIE FOR STAMPING OUT LABELS, &c.

SPECIFICATION forming part of Letters Patent No. 672,323, dated April 16, 1901.

Application filed July 7, 1900. Serial No. 22,781. (No model.)

To all whom it may concern:

Be it known that I, ROBERT GENTSCH, a subject of the King of Saxony, residing at Leipsic-Rendnitz, in the Kingdom of Saxony, Germany, have invented certain new and useful Improvements in Dies for Stamping Out Labels and the Like, (for which I have applied for patents in Germany, dated December 9, 1899, and in France, No. 1,585, dated December 19, 1899,) of which the following is a specification.

This invention relates to dies for labels and the like composed of a number of distinct parts; and it consists, essentially, of an improved cutter-holder for such dies which is provided with a slot for holding the cutters and with end flange-pieces so arranged as to enable the holders to be joined together to form various shapes of dies.

In the accompanying drawings, Figures 1 to 9 represent various forms of cutter-holders constructed in accordance with this invention. Figs. 10, 11, 13, 14, and 15 represent the cutters. Fig. 12 represents the screw for securing the cutters in the holders. Figs. 16 to 22 show the manner of joining the holders to form different shapes of dies.

The die is composed of a number of cutter-holders *a*, provided with end flange-pieces *b c*, by which they are secured together. These end flange-pieces can be arranged at various angles to the holders according to the forms of die desired. Each holder is provided with a slot through which the screws *f*, Fig. 12, pass for the purpose of securing the cutters *g*, Figs. 10, 11, 13, 14, and 15, on either the inside or outside. The cutters can likewise be given any form desired according to the shape of die required, and they are made of a tapering form in cross-section, as shown in Figs. 11 and 14.

If, for example, it is desired to form a die

for stamping circular labels, it will only be necessary to join together a number of holders of the form shown in Fig. 1 in order to obtain a circle, whereupon the cutters *g* are secured in the frame thus formed by means of the screws *f*, which pass through the slots *d* in the holders, the narrower width of the cutters being situated inward.

In order to obtain the die shown in Fig. 18, a number of the holders shown in Fig. 7 are joined together, while for the form of die shown in Fig. 19 those shown in Figs. 1 and 7 are used in combination.

The die shown in Fig. 20 is composed of holders of the form shown in Fig. 5 and 6.

The die represented in Fig. 21 is composed of the holders shown in Fig. 8 for the ends and Fig. 3 for the sides, while the die shown in Fig. 22 consists of the straight holders shown in Fig. 3 alone.

The shapes obtained by the above combination of the holders correspond with the inner contour of the frame formed.

By different combinations of the parts in the manner described still other shapes can be obtained—such as serpentine, for example.

What I claim, and desire to secure by Letters Patent of the United States, is—

In a device for cutting out labels, &c., the combination of slotted cutter-holders formed with end flanges, and means for rigidly uniting the holders at the point of contact of the adjacent flanges; with a series of removable cutters, and means for securing them to the holders, all substantially as and for the purpose set forth.

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

ROBERT GENTSCH.

Witnesses:

RUDOLPH FRICKE,
CHAS. J. BURT.