

No. 711,054.

Patented Oct. 14, 1902.

L. G. KREGEL.
APPARATUS FOR MAKING SIDES OF COFFINS.

(Application filed Dec. 14, 1901.)

(No Model.)

Fig. I.

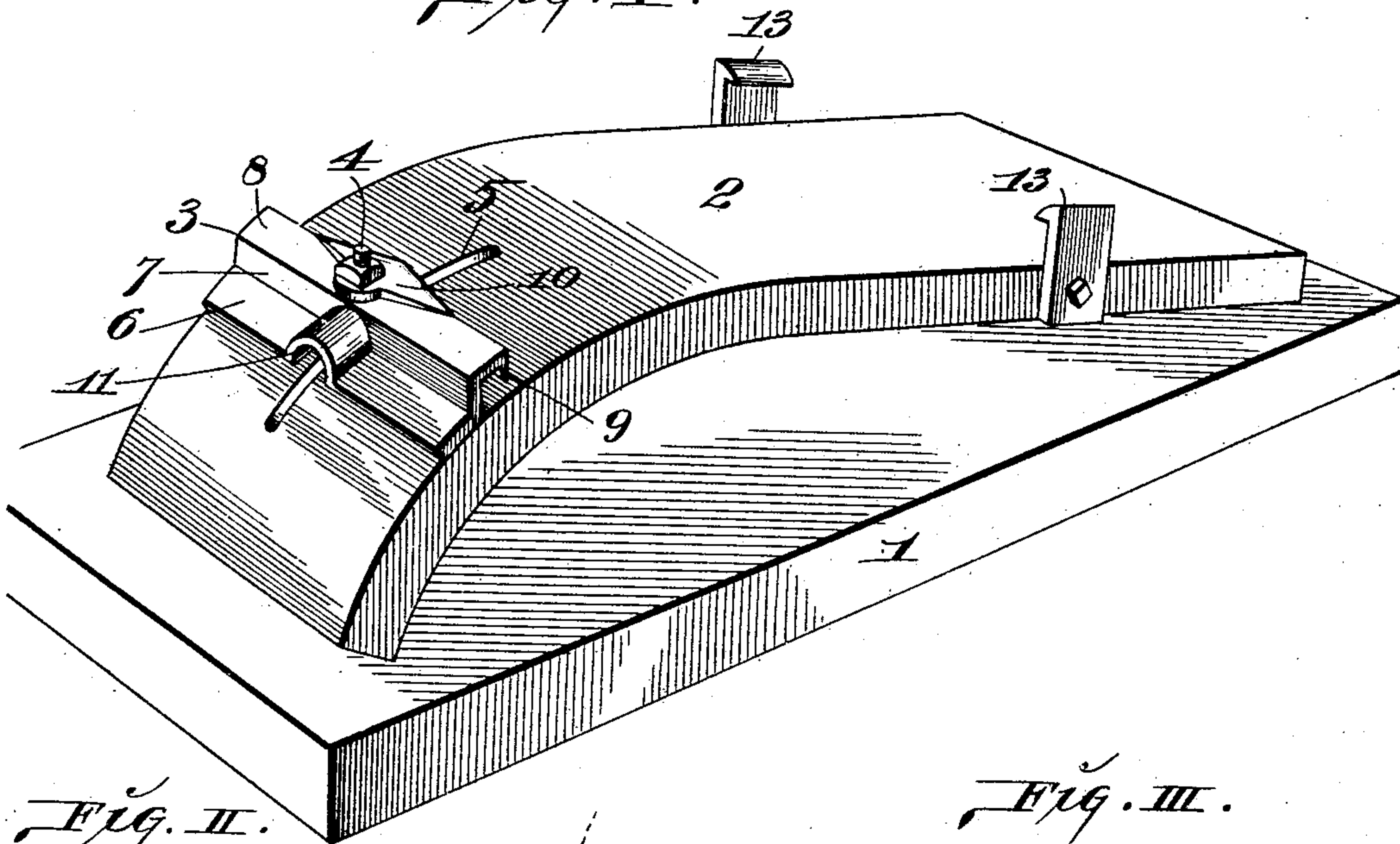


Fig. II.

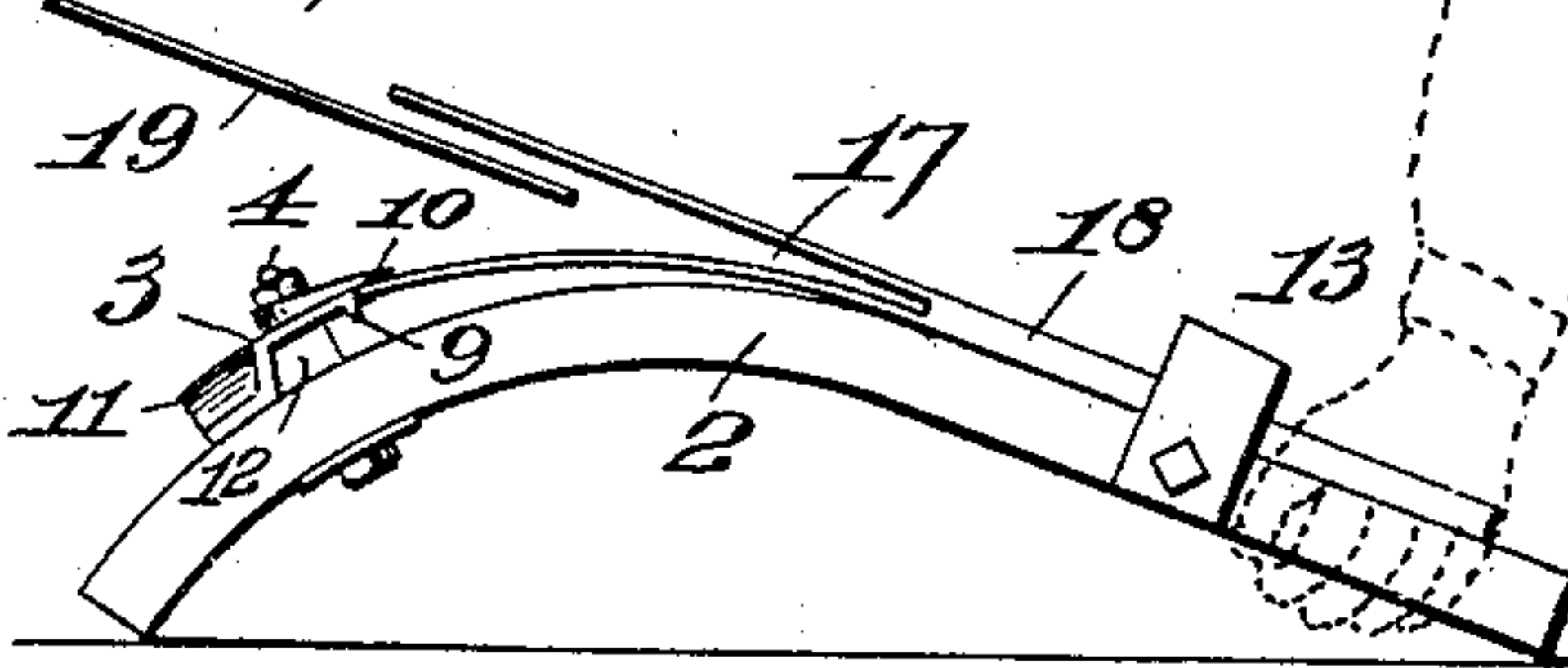


Fig. III.

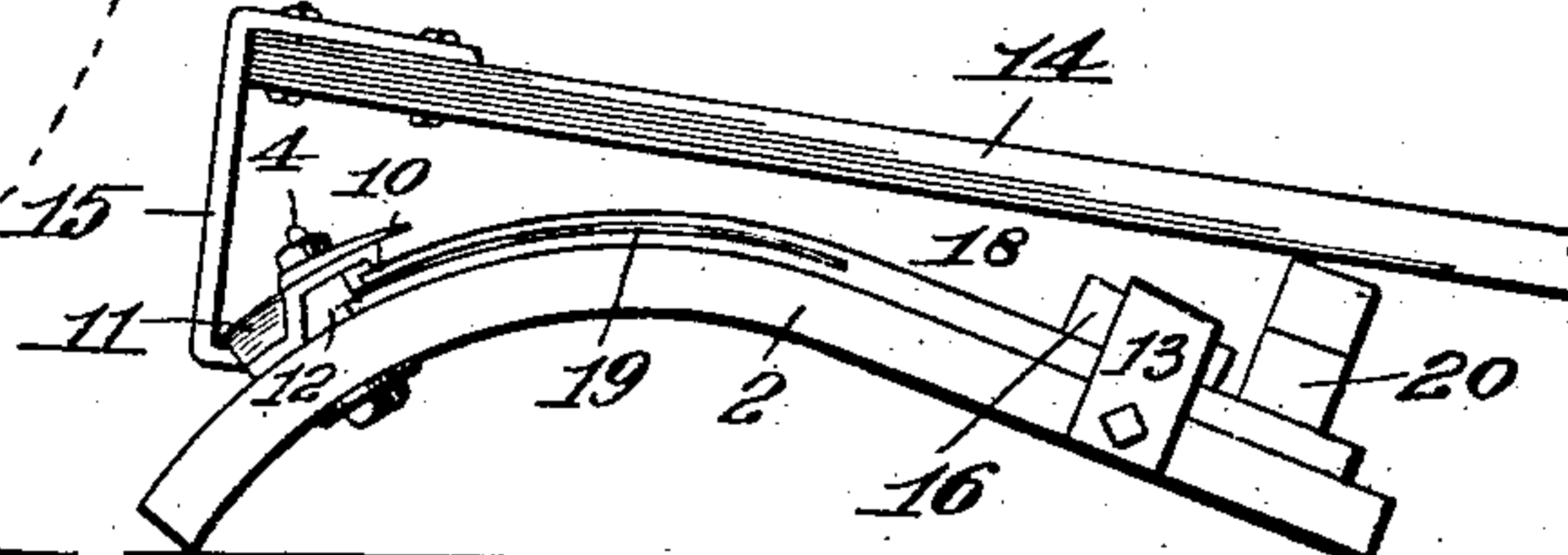


Fig. IV.

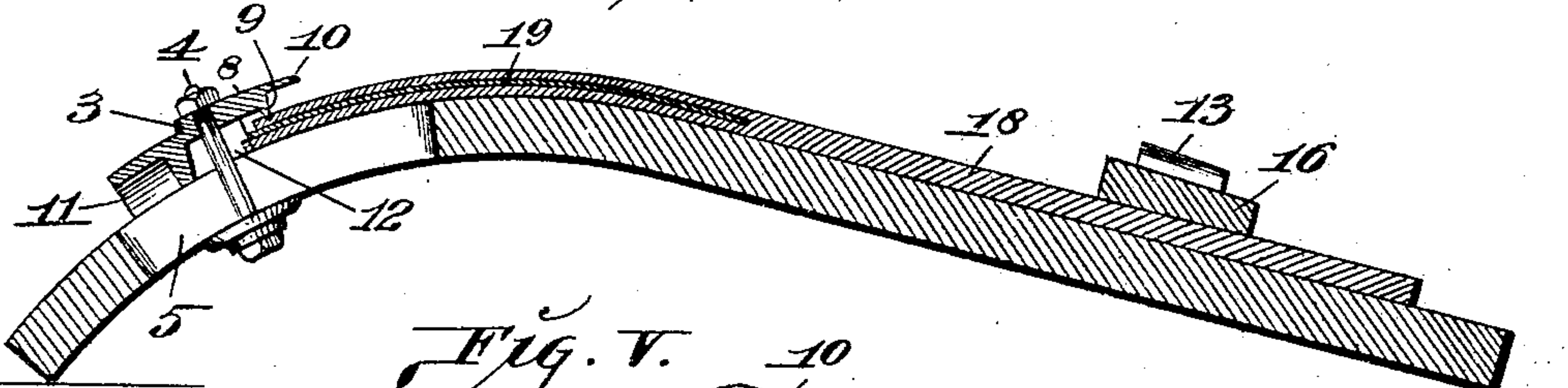
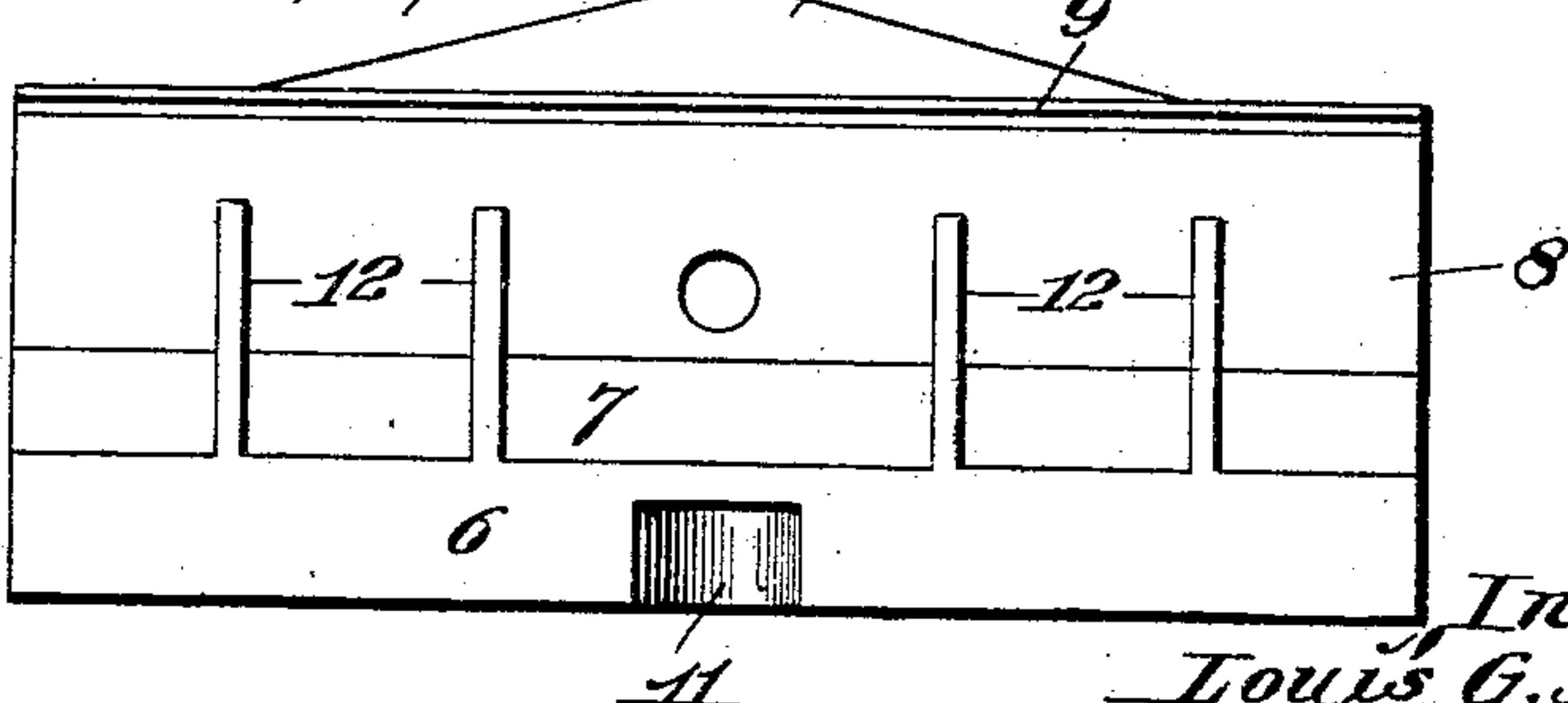


Fig. V.



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UNITED STATES PATENT OFFICE.

LOUIS G. KREGEL, OF ST. LOUIS, MISSOURI.

APPARATUS FOR MAKING SIDES OF COFFINS.

SPECIFICATION forming part of Letters Patent No. 711,054, dated October 14, 1902.

Application filed December 14, 1901. Serial No. 85,882. (No model.)

To all whom it may concern:

Be it known that I, LOUIS G. KREGEL, a citizen of the United States, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Apparatus for Making Sides of Coffins, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My present invention relates to an apparatus for making the bulged sides of coffins which are composed of boards having kerfs extending in the direction of their lengths and in which are inserted glued fillers. Such a coffin side is shown and described in my application for patent filed August 28, 1901, Serial No. 72,865.

My invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a perspective view of the apparatus. Fig. II is a side view showing the side piece opened out to receive the filler. Fig. III is a side view showing the side piece bent and held in the form after the filler has been inserted. Fig. IV is a longitudinal section. Fig. V is a bottom view of the clip-piece of the apparatus.

1 represents a suitable bed-plate or table, upon which rests a form 2, having a bulge or curve corresponding to the bulge to be given to the side pieces of the coffin. To the curved end of this form is secured a clip 3 by means of a bolt 4, the bolt passing through a slot 5 in the form, so that the clip can be adjusted to provide for more or less length of bulge to be given to the side pieces. The clip has a base 6, that rests on the form 2 and bears a vertical web 7, from the top of which projects a horizontal flange 8, on the under side of which is a sharp-edged tooth 9. Overhanging the tooth 9 is a lip 10. The base 6 is formed with a socket 11, and projecting forwardly from the front face of the web 7 are a number of stop-ribs 12, (see Fig. V,) that extend in height from the form 2 to the under side of the flange 8 and not as far forward as the tooth 9. (See Fig. IV.) The clip, consisting of the parts mentioned, is preferably made in a single casting.

Secured to the form 2 are a pair of hooks 13, as clearly shown in Fig. I.

14 represents a lever having a hooked finger 15 for engagement with the socket 11.

16 represents a key formed to engage with the hooks 13.

The operation is as follows: After the kerf 17 is formed in the side pieces 18 of the coffin (which is preferably done by means of a saw) the side piece is placed with one of its flaps or members formed by the kerf beneath the lip 10, the end of the flap coming against a stop-shoulder beneath the lip, as shown in Fig. II. The side piece is then bent down into the form by pressing on its outer end, which can be done by hand, causing the kerf to open out, as shown in Fig. II. The glued filler 19 is now inserted in the kerf, and the outer end of the side piece is raised and the side piece is moved slightly toward the clip 3 until its upper face is beneath the tooth 9, as shown in Fig. IV, care being taken to move the inner end of the side piece far enough forward to engage the stop-ribs 12. The nut of bolt 4 is then tightened up, which forces the sharp edge of tooth 9 slightly into the upper part of the side piece. The lever 14 is now applied, blocks 20 being inserted between the lever and the outer end of the side piece. Pressure is now applied to the outer end of the lever, which causes the side piece to be bent down onto the form 2, as shown in Figs. III and IV. As the side piece is bent to the shape of the form, above described, the lower member of the kerfed part of the side piece will move forwardly against the stop-ribs 12 and cause said stop-ribs to become embedded in said side piece, this action being necessary for the purpose of affording a yielding resistance for said lower member as the side piece is bent to the form, and in coming against the stop-ribs a longitudinal tension will be exerted on the upper member of the kerfed part of the side piece, this member being held from movement by the sharp edge of the tooth 9, which bites into it. This longitudinal strain on the upper member of the side piece causes it to be placed under tension and drawn tightly down onto the filler, so that the upper and lower members of the kerfed portion of

the side piece and the filler 19 are all tightly drawn together, forming a perfect union, and the stretching tension on the upper member of the kerfed part of the side piece prevents
 5 a tendency that it would otherwise have to crack or break as the side piece is bent to the shape of the form. When the side piece has been bent down onto the form, the key 16 is inserted to hold it in this position until the
 10 glue that has been applied to the filler 19 has become sufficiently dried to form a bond between the filler and the adjacent faces of the side-piece members. The side pieces can then be removed from the form and will be
 15 found to retain the bulge that has been imparted to them.

Bulged side pieces for coffins can in this manner be made out of a number of narrow boards having perfect bulged portions, whereas heretofore it has been customary to use single
 20 boards for each side of the coffin in order to get perfect bulges in the boards, and the steaming of the boards is unnecessary, as the bulges are maintained by the gluing of the
 25 parts together instead of being maintained by a "set" produced by bending the side pieces when steam-moistened and holding them in their bent condition until dry, as has heretofore been the practice.

30 I claim as my invention—

1. In an apparatus for forming bulges in the side pieces of coffins, the combination of a form and a clip secured to the form, said clip having a lip for engaging one member of
 35 the kerfed side piece for the purpose of opening up the kerf for the admission of a filler, and said clip having a shoulder beneath the lip, substantially as set forth.

2. In an apparatus for forming bulges in
 40 side pieces for coffins, the combination of a form, and a clip secured to the form, said clip having a tooth for engaging and holding the upper member of the kerfed side piece as it is bent to the shape of the form, substantially as set forth.
 45

3. In an apparatus for forming bulges in the side pieces of coffins, the combination of a form, and a clip secured to the form, said clip having a tooth for engaging the upper
 50 member of the kerfed side pieces and hav-

ing stop-ribs for limiting the forward movement of the lower member of the kerfed side piece, substantially as set forth.

4. In an apparatus for forming the bulges in the side pieces of coffins, the combination
 55 of a form, and a clip secured to the form and having a lip for use in opening up the curved side piece to admit the filler, and having a tooth for holding the upper member of the
 60 kerfed side piece from longitudinal movement while the side piece is being bent to the shape of the form, substantially as set forth.

5. In an apparatus for forming the bulges in the side pieces of coffins, the combination
 65 of a form, and a clip secured to the form, and having a lip for use in opening up the kerfed side piece to admit the filler, and having a tooth for holding the upper member of the
 70 kerfed side piece from longitudinal movement, and stop-ribs for limiting the longitudinal movement of the lower member of the
 kerfed side piece, substantially as set forth.

6. In an apparatus for forming bulges in the side pieces of coffins, consisting of a form, and a clip secured to the form, said clip hav-
 75 ing a tooth for holding the upper member of the kerfed side piece from longitudinal movement, and having a socket to receive a pressure-lever, substantially as set forth.

7. In an apparatus for forming bulges in
 80 the side pieces of coffins, the combination of a form, and a clip adjustably secured to the form, and provided with means for holding the upper member of the kerfed side piece
 85 from longitudinal movement as the side piece is bent to the shape of the form, substantially as set forth.

8. In an apparatus for forming bulges in the side pieces of coffins, the combination of a form, a clip secured to the form for holding
 90 the kerfed end of the side piece as it is bent to the shape of the form, and hooks and a key for holding the side piece when it has been bent to the shape of the form, substantially as set forth.

LOUIS G. KREGEL.

In presence of—

E. S. KNIGHT,
 N. V. ALEXANDER.