

No. 746,182.

PATENTED DEC. 8, 1903.

D. C. SIMONS.
FIREPLACE.

APPLICATION FILED JUNE 3, 1903.

NO MODEL.

Fig. 1.

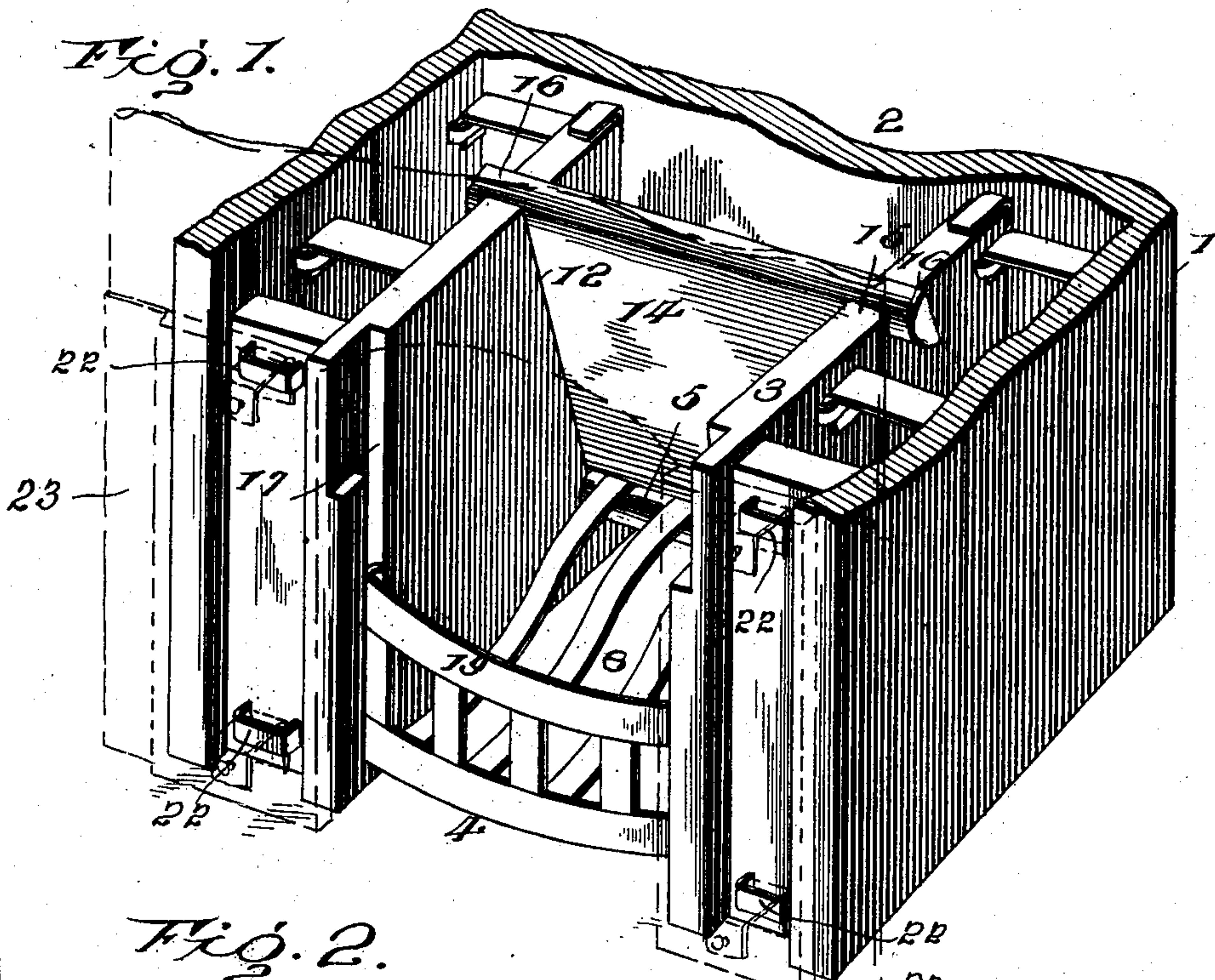


Fig. 2.

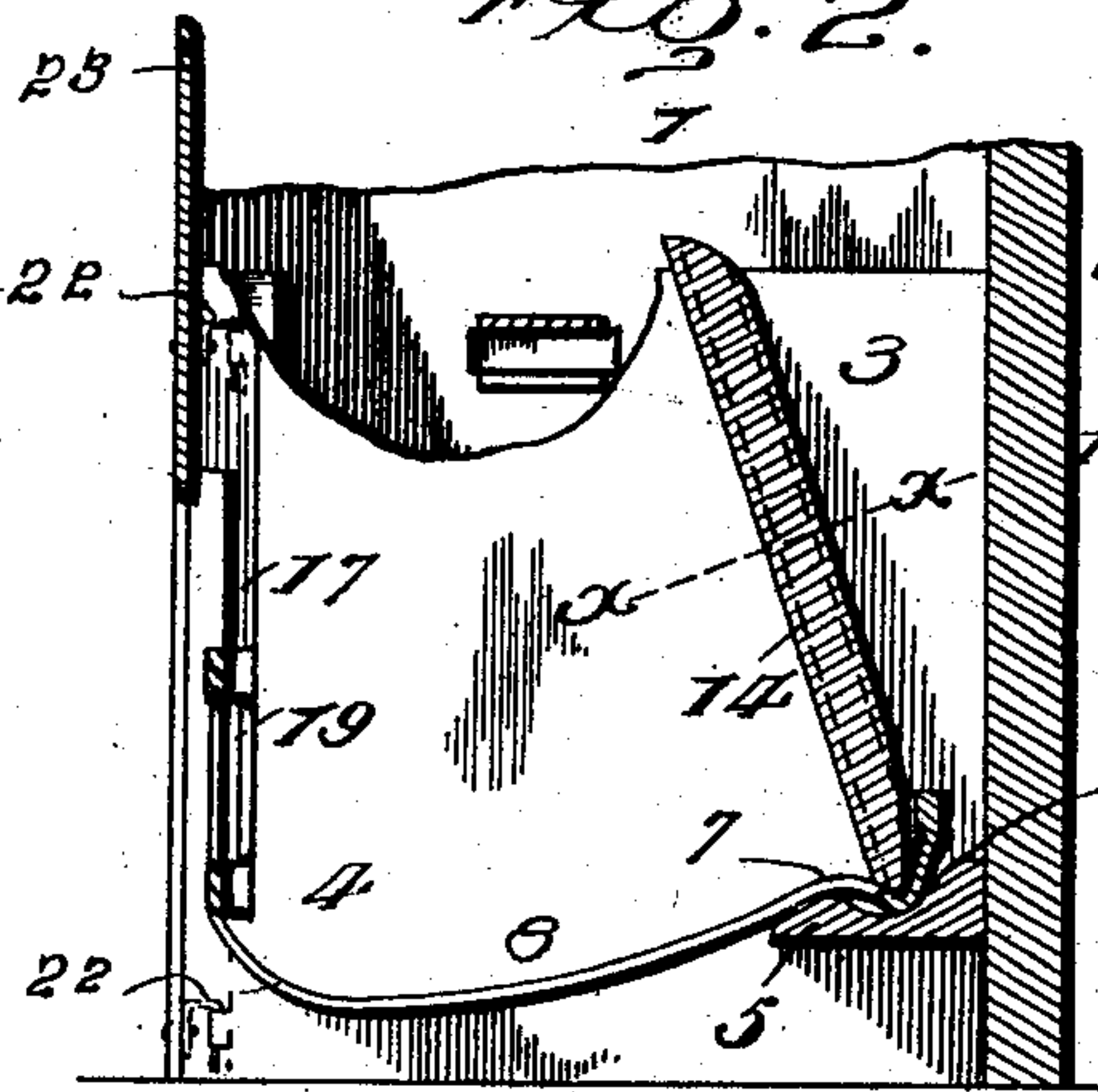


Fig. 6.

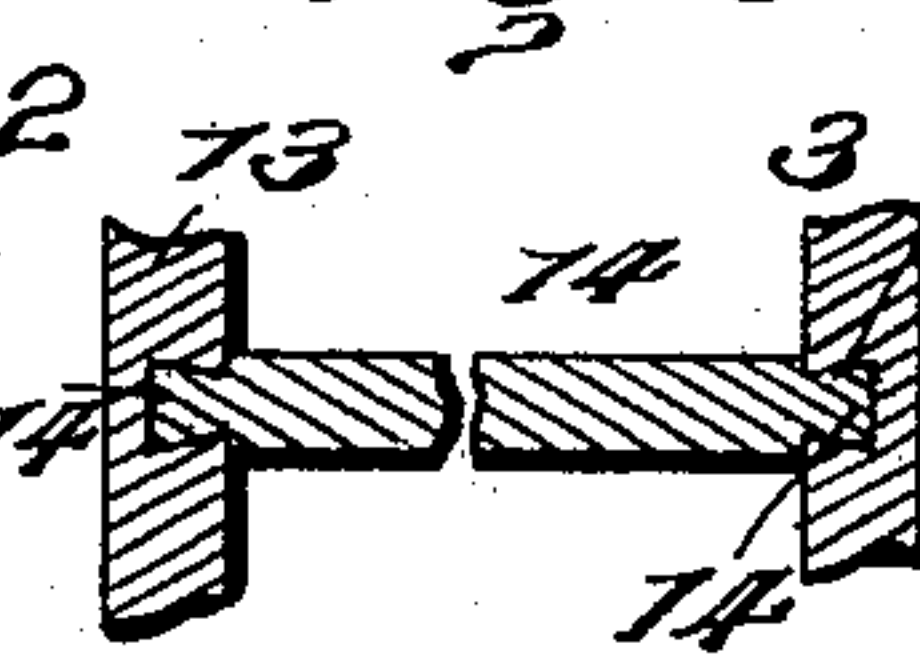


Fig. 4.

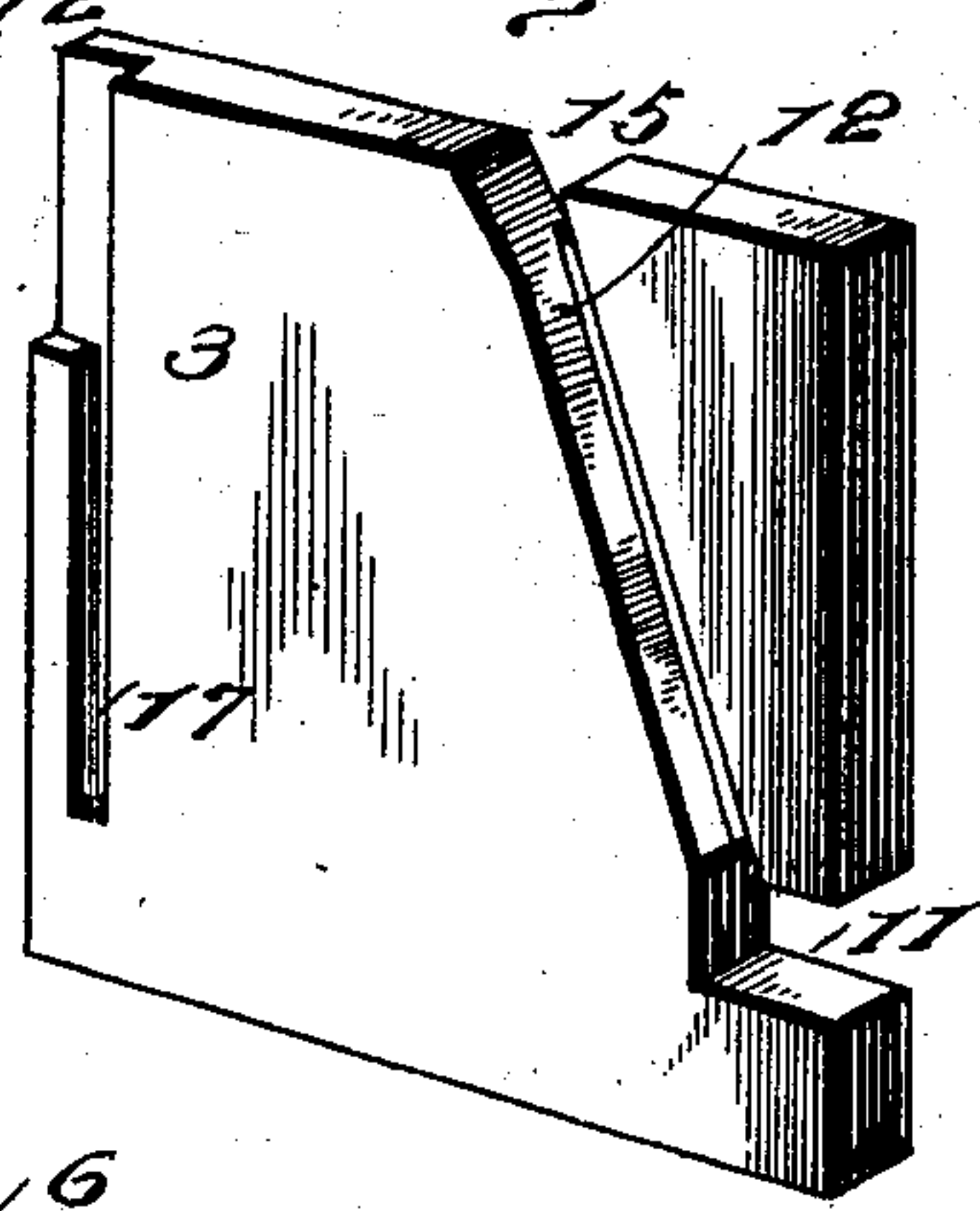


Fig. 5.

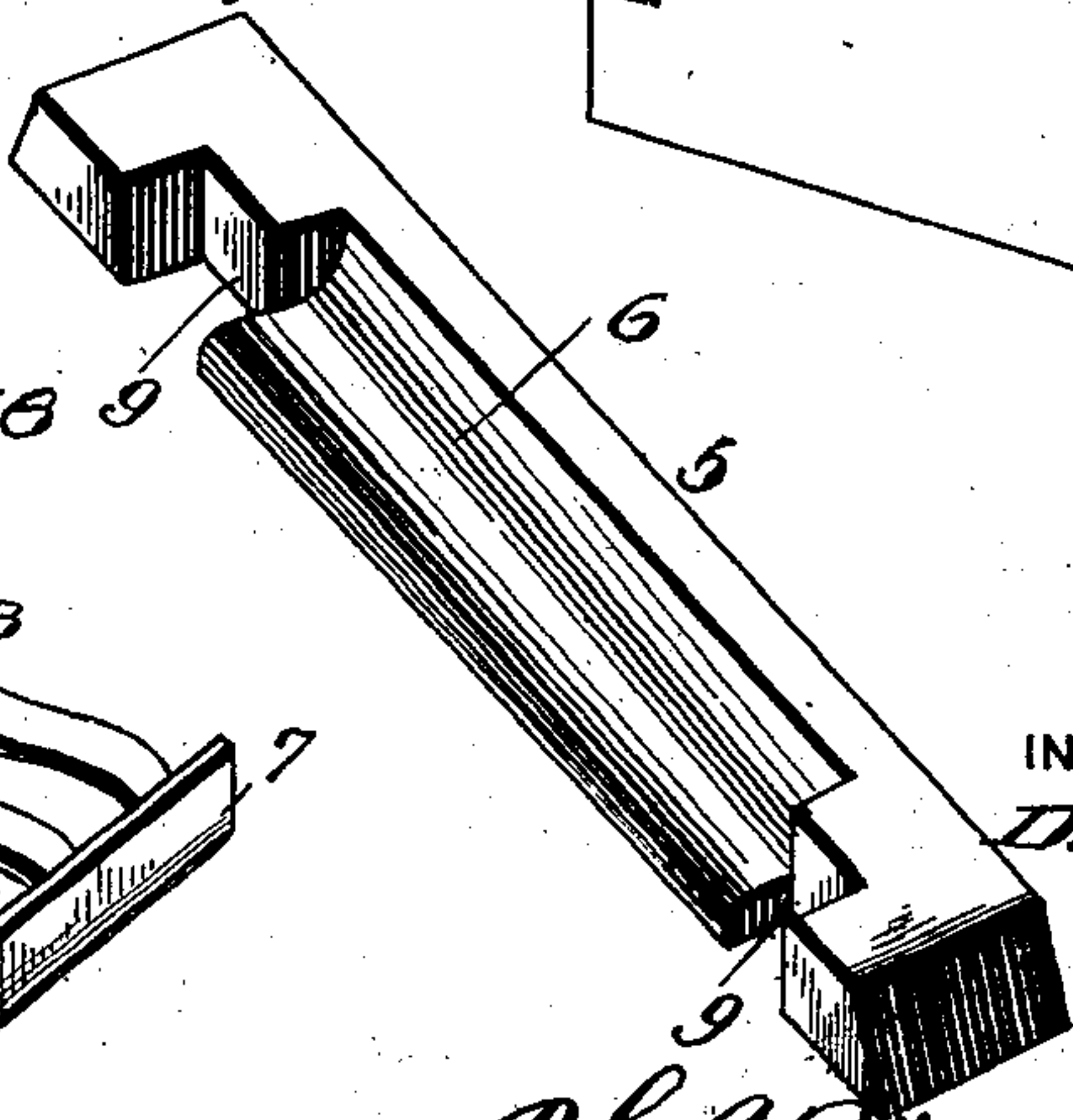
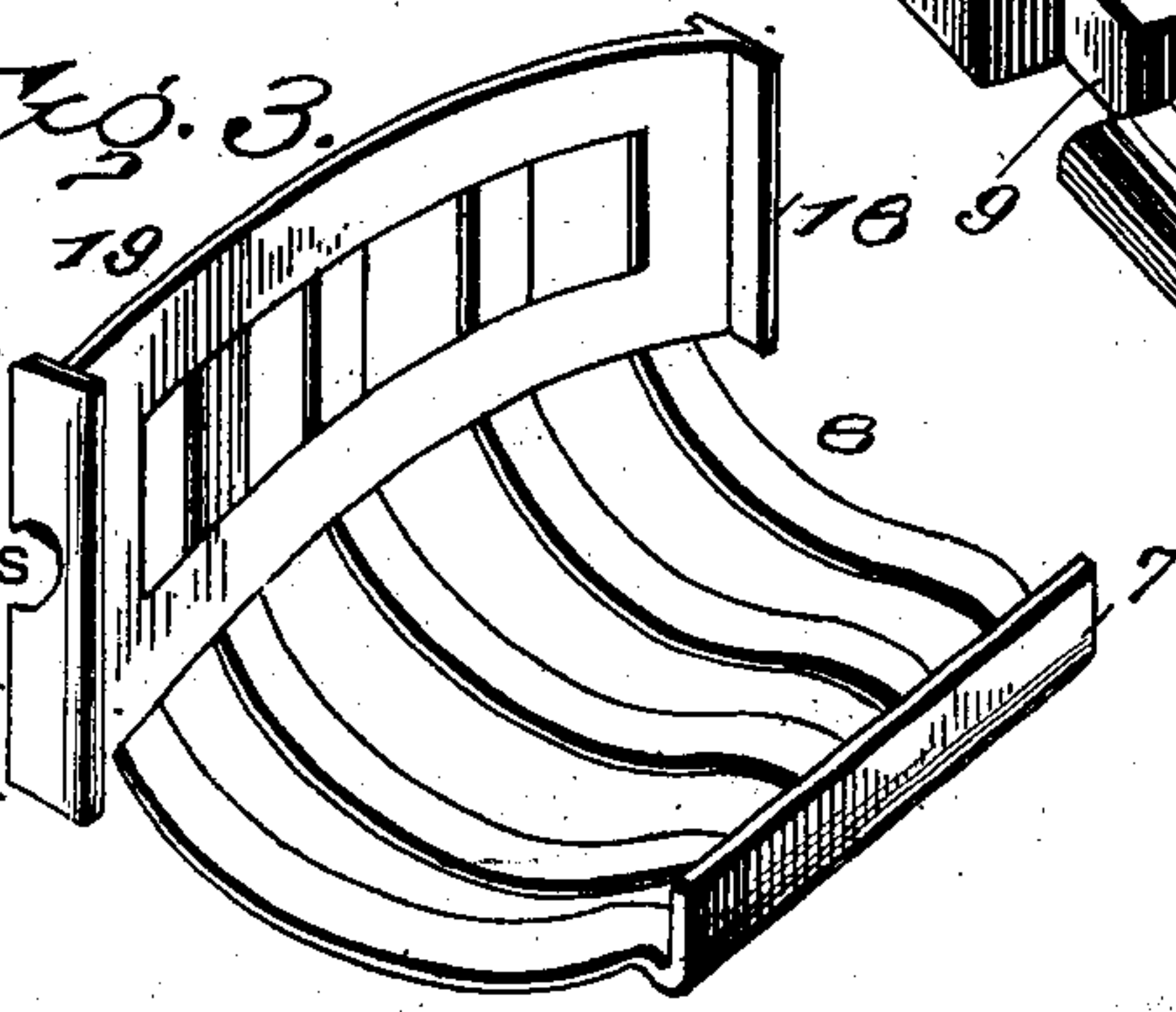


Fig. 3.



WITNESSES
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UNITED STATES PATENT OFFICE.

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FIREPLACE.

SPECIFICATION forming part of Letters Patent No. 746,182, dated December 8, 1903.

Application filed June 3, 1903. Serial No. 159,970. (No model.)

To all whom it may concern:

Be it known that I, DAVID C. SIMONS, a citizen of the United States, residing at Trenton, in the county of Gibson and State of Tennessee, have invented certain new and useful Improvements in Fireplaces, of which the following is a specification.

This invention provides what may be characterized as a "knockdown fireplace," the same consisting of parts which may be quickly assembled and secured in the proper position and at the same time readily removed or taken down should this be necessary for any reason. The construction embodied in my invention is of great advantage in that the fire-basket and other parts which are used in burning a peculiar kind of fuel may be replaced by others adapted for a different kind of fuel because of the special structure of the several parts above premised upon.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a fireplace having the parts assembled as embodied in the invention. Fig. 2 is a vertical sectional view through the fireplace. Fig. 3 is a detail perspective view of the fire-basket. Fig. 4 is a perspective view of one of the jambs. Fig. 5 is a perspective view of the rear supporting-bar. Fig. 6 is a sectional view, parts broken away, through the fireback and jambs only.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings, the same illustrate the ordinary form of fireplace consisting of the sides 1 and back 2. The jambs 3, which are disposed adjacent or spaced from the sides of the fireplace, comprise upright sections of peculiar construction. These jambs border upon the fire-space 4 in the

usual manner. Disposed in rear of the jambs 3 and substantially against the back 2 of the fire-space is a supporting-bar 5, which is provided upon its upper side with a recess 6. The recess 6 receives a rear extension 7 of the fire-basket 8, thereby coöperating to sustain the said basket 8. The supporting-bar 5 is provided with cut-away portions 9, arranged adjacent the end portions of the recess 6, and these cut-away portions receive the inner portions of the jambs 3. The jambs 3 are also provided with corresponding cut-away portions, and thereby the lower portions of the jamb serve to support to a certain extent the bar 5. However, the bar 5 is primarily supported by the sides 2 of the fireplace, which are provided with recesses 11, which receive the end portions of the bar 5. The jambs 3 are provided upon their inner sides adjacent the rear portions thereof with inclined dovetailed grooves 12, which grooves are adapted to receive the sides 13 of the fireback 14. The ends of the fireback are cut away to virtually form longitudinal tenons which interlock with the dovetailed grooves upon the jamb, preserving the rigidity of the structure in a manner which will be readily appreciated. The upper portions of the jambs 3 are provided with notches 15, which receive lugs 16, laterally projected from the fireback 14. Vertical guideways 17 are provided also upon the inner sides of the jambs and near the front portions thereof and receive guides 18 upon the sides of the front 19 of the fire-basket 8. The guides 18 serve to support the fire-basket at the front end thereof in like manner as the rear extension 7 supports the fire-basket in the rear. Front slabs 20 are disposed between the jambs 3 and the sides 1 of the fireplace, and these slabs are secured in place by ties or any suitable fastening means found most convenient and efficient. In like manner corresponding ties or fastening means are utilized to secure the jambs 3 in position and may connect the said jambs with the sides of the fireplace, so as to rigidly hold the same in position. The fireback 14 when in position has its lower end abutting against the extension 7 upon the fire-basket, and thus the said extension is clamped after a manner between the lower end portion of the fireback and the supporting-bar 5.

Stops 21, located at the lower portions of the guideways 17, limit the upward movement of the guides 18 upon the fire-basket front and support the same.

5 By the structure above described it will be understood that should a fire-basket adapted for burning wood or the like as fuel be first placed in position in the fire-space and it be desired to use coal as a fuel therein, all that
10 would be necessary would be to remove the adjacent fastenings or ties and lift the fire-back 14 from its place, after which the fire-basket 8 may easily be removed and any other kind of basket or grate device substituted
15 therefor.

It is preferred that the parts as above described be made from metal or corresponding substance, this being found best in order to insure the durability of the parts.

20 When the parts are to be used for fireplaces to be constructed, the walls of the latter may be made of less thickness, since the jambs of the fireplace as embodied in my invention are specially constructed with the view to resist intense heat, and for this reason the excessive thickness of walls, necessitating the use of any great amount of material, is obviated, which is of no small importance to the constructor or builder, since the cost of material is decreased, as is also the labor necessary for the construction.

It will be understood that any suitable ornamental means may be placed in front of the parts of the fireplace to give a finish to the
35 appearance of the same. This ornamental means usually consists of a mantelpiece and adjacent finishing parts.

Fasteners 22 are used to hold the plating 23, which may be placed in front of the fireplace, in position. These fasteners secure the plating to the slabs which are interposed between the sides of the fireplace and the jambs 3.

Having thus described the invention, what
45 is claimed as new is—

1. In a fireplace, comprising sides and a back, a supporting-bar located intermediate the sides and approximate the back, jambs consisting of upright sections spaced from the
50 sides of the fireplace and cooperating to support the supporting-bar aforesaid, a fire-basket comprising grate-bars and front bars and provided at its rear portions with an extension to rest upon the supporting-bar, and
55 a fireback received between the jambs and interlocking therewith, said fireback having its lower end resting upon the extension in rear of the fire-basket whereby same is confined and secured in position upon the supporting-bar.
60

2. In a fireplace consisting of sides and a

back, a supporting-bar disposed between the sides and against the back and provided upon its upper side with a longitudinal recess, jambs spaced from the sides of the fireplace
65 and provided with cut-away portions upon their rear ends to receive the supporting-bar and thereby cooperate to hold the same in position, inclined grooves disposed adjacent the rear portion of the jambs and upon the
70 inner sides thereof, a fireback having its sides received by the inclined grooves upon the jamb and provided with lateral lugs to engage over the upper edges of the said jamb, a fire-basket disposed intermediate the jamb
75 and having a rear extension adjacent the grate-bars thereof, said extension being adapted to rest upon the supporting-bar within the recess portion thereof, guideways disposed upon the inner sides of the jambs, and
80 supporting-guides disposed upon the front of the fire-basket and received by the guideways upon the jambs, and front slabs located between the jambs and the sides of the fireplace.
85

3. In a fireplace comprising sides and a back, a supporting-bar disposed between the sides and having its ends received in recesses therein, said bar having a longitudinal recess upon its upper side and cut-away portions adjacent the said recess, jambs spaced from the sides of the fireplace and provided with corresponding cut-away portions to receive the supporting-bar aforesaid, inclined locking-grooves disposed upon the rear portions and inner sides of the jambs and connecting with the cut-away portions thereof, a fire-basket located intermediate the jambs and provided at its rear portion with an upward extension adapted to rest upon the recesses of the supporting-bar, supporting-guides provided at the sides of the front of the basket, a fireback having its sides received by the inclined grooves upon the jambs, lateral lugs projected from the said
105 fireback and overlapping the jambs, said lugs being received by notches upon the upper portions of the jambs, guideways located adjacent the front portions of the jambs and adapted to receive the guides upon the front
110 of the fire-basket, said guides being adapted to cooperate with the rear extension aforesaid to support the fire-basket in position, and front slabs disposed between the sides of the fireplace and the jambs.
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In testimony whereof I affix my signature in presence of two witnesses.

DAVID C. SIMONS. [L. S.]

Witnesses:

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J. W. BRANSON.