

G. R. COCKRUM.

BRACKET.

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919,421.

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Fig. 1.

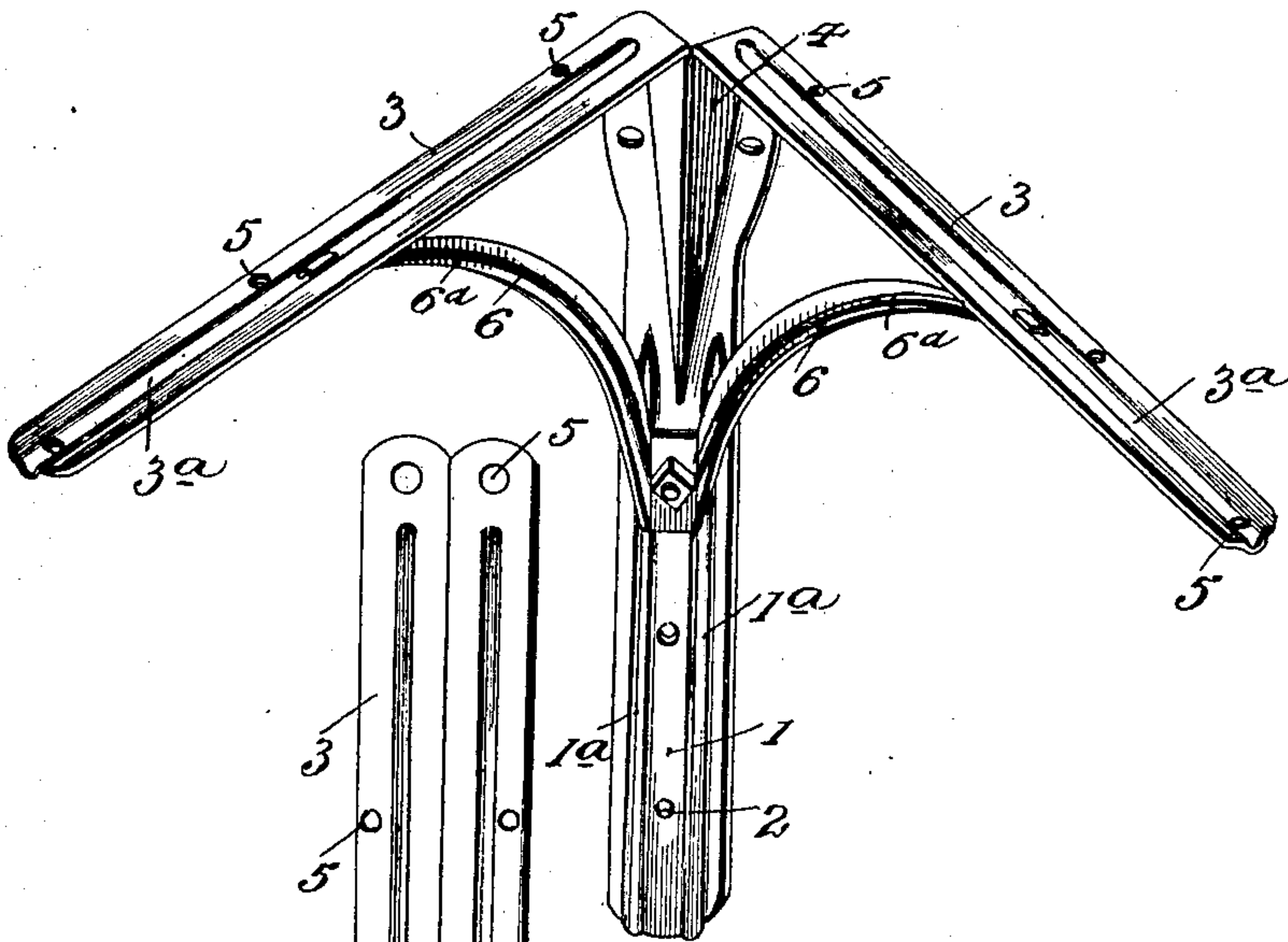


Fig. 2.

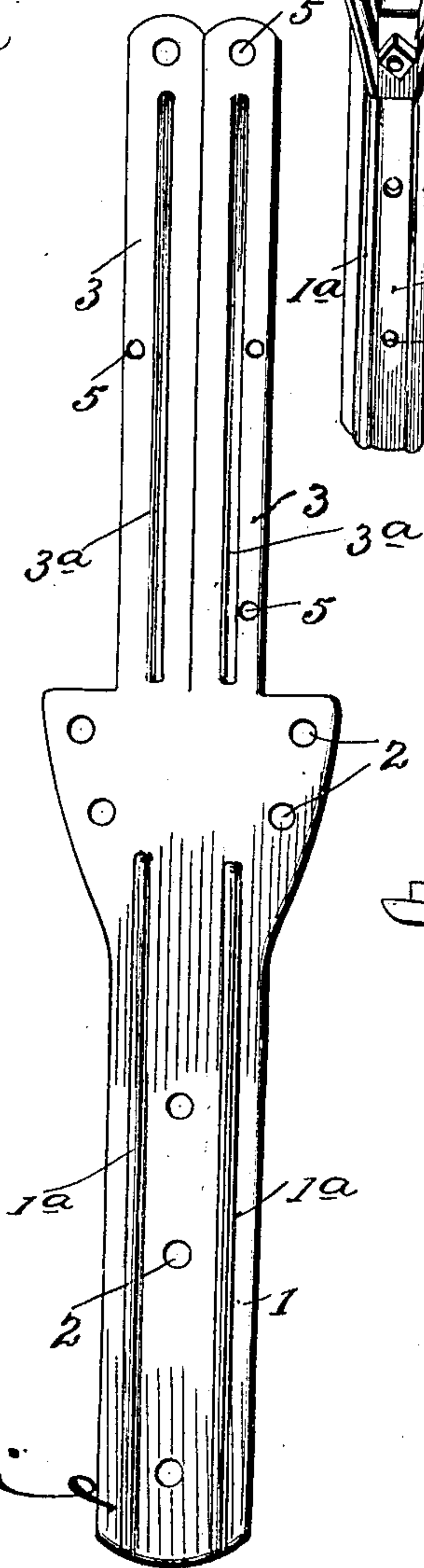
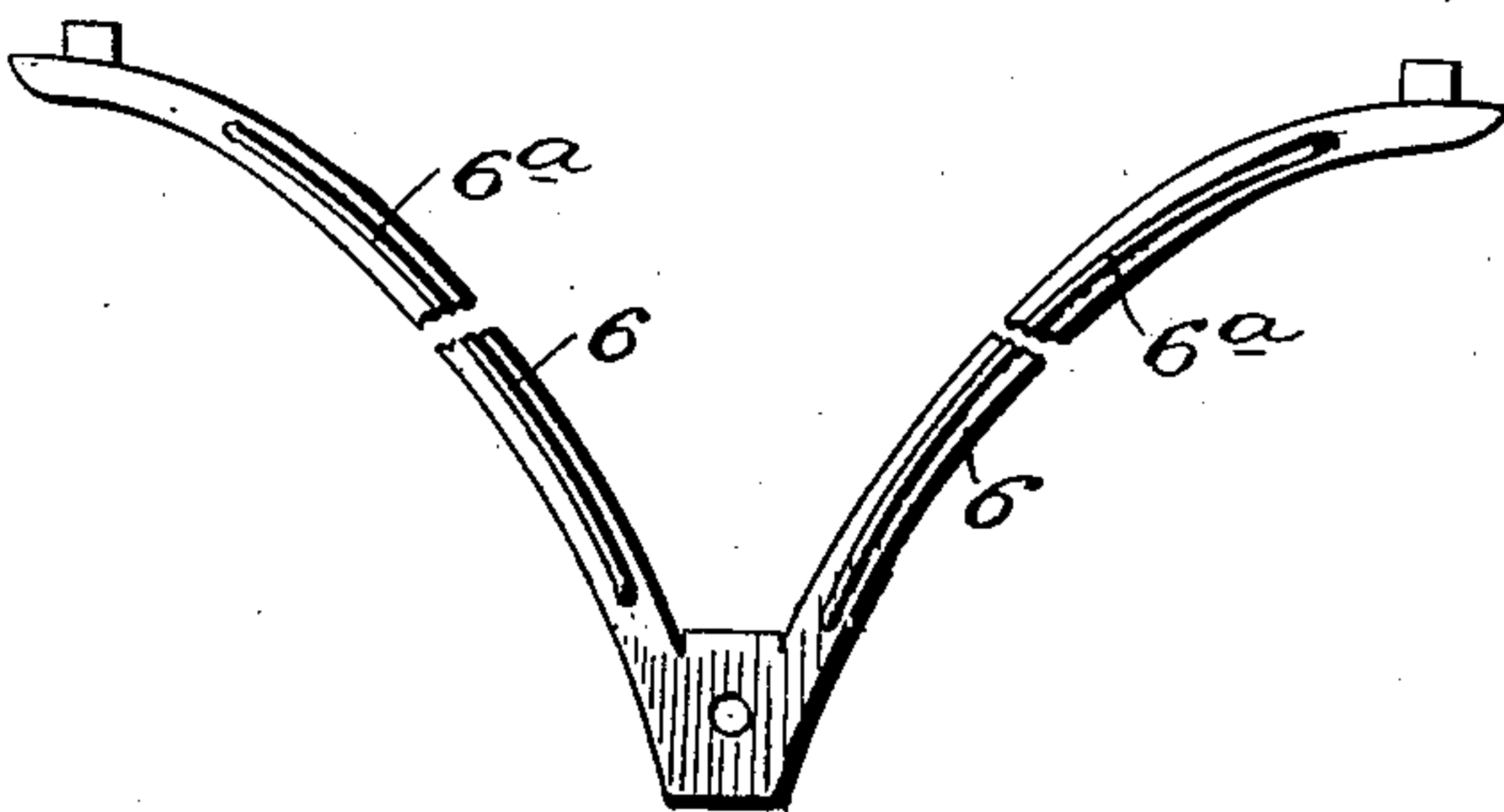


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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BRACKET.

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To all whom it may concern:

Be it known that I, GEORGE R. COCKRUM, citizen of the United States, residing at Mineral Wells, in the county of Palo Pinto and State of Texas, have invented certain new and useful Improvements in Brackets, of which the following is a specification.

The present invention relates to improvements in brackets, and more particularly to a device of this character embodying a novel construction whereby a shelf may be supported by means of a single bracket, thereby eliminating the additional expense and labor incident to procuring and mounting two brackets in position.

The invention further contemplates a shelf bracket which is extremely simple and inexpensive in its construction and will hold the shelf rigidly in a horizontal position.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of a shelf bracket embodying the invention. Fig. 2 is a plan view of the blank from which the vertical standard and lateral arms of the bracket are formed. Fig. 3 is a front elevation of the diagonal braces.

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.

Specifically describing the present embodiment of the invention the numeral 1 designates the standard which is designed to be stamped from a single piece of sheet material and may be conveniently secured to a wall or other vertical support by means of screws or fastening members passing through openings 2 therein. A pair of lateral arms 3 are provided at the upper end of the standard, the said arms being stamped from the same piece of sheet metal as the standard and extending upwardly in alinement therewith previous to being bent into position. In forming the bracket the two lateral arms 3 are bent downwardly at right angles to the standard and that portion of the standard at the juncture of the two arms is deflected outwardly to provide a V-shaped rib 4. One of the arms 3 is located upon each side of this V-shaped rib and as will be readily apparent

from the drawing this rib serves to deflect the arms and throw them into a position at approximately right angles to each other. It will thus be apparent that in the finished bracket the two lateral arms 3 which are designed to support the shelf are disposed at substantially right angles to each other and also to the standard 1.

Each of the shelf supporting arms 3 has a longitudinal rib 3^a stamped therefrom for reinforcing and stiffening the same and the said arms are provided with openings 5 for receiving fastening members by means of which they are secured to the shelf. Attention may also be directed to the fact that the standard 1 is itself provided with stiffening ribs 1^a similar to those upon the lateral arms.

A diagonal brace 6 is provided for each of the shelf supporting arms 3 and the two diagonal braces are preferably integral with each other so as to be stamped from a single piece of sheet material and are formed with the stiffening ribs 6^a. At their lower ends the diagonal braces are secured to the standard by any suitable means while at their upper ends they are secured to the respective lateral arms 3.

When the bracket is in position the standard 1 is secured to a vertical support while the two diverging lateral arms 3 project outwardly in a horizontal position and are secured to the bottom of a shelf.

Attention is directed to the fact that with the construction embodied in the present invention a shelf may be rigidly held in a horizontal position by means of but a single bracket, such a construction having the advantage of obviating the additional expense and labor which would be incident to forming two separate brackets and mounting them in position in the usual manner.

Having thus described the invention, what is claimed as new is:

1. In a shelf bracket, the combination of a standard, a pair of lateral arms projecting from the upper end of the standard and disposed at substantially right angles to each other and also to the standard, and diagonal braces for the lateral arms.

2. In a shelf bracket, the combination of a standard, a pair of lateral arms integral with the standard at the upper end thereof, the said arms being disposed at substantially right angles to each other and to the standard, and a pair of integral braces secured at

their juncture to the standard and having their extremities secured to the respective lateral arms.

3. In a shelf bracket, the combination of a
5 standard, a pair of lateral arms, the standard and arms being both stamped from a single piece of sheet material and a V-shaped rib being formed in the standard at the juncture of the two arms whereby the
10 latter are thrown into a position at substantially right angles to each other and then bent downward at substantially right angles

to the standard, and a pair of integral braces for the lateral arms, the said braces being secured at their juncture to the standard 15 and having their extremities secured to the respective lateral arms.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE R. COCKRUM. [L. s.]

Witnesses:

W. H. GROSS,

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