

No. 766,093.

PATENTED JULY 26, 1904.

G. E. ALBRAND.
STUFFING BOX.

APPLICATION FILED FEB. 25, 1904.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 2.

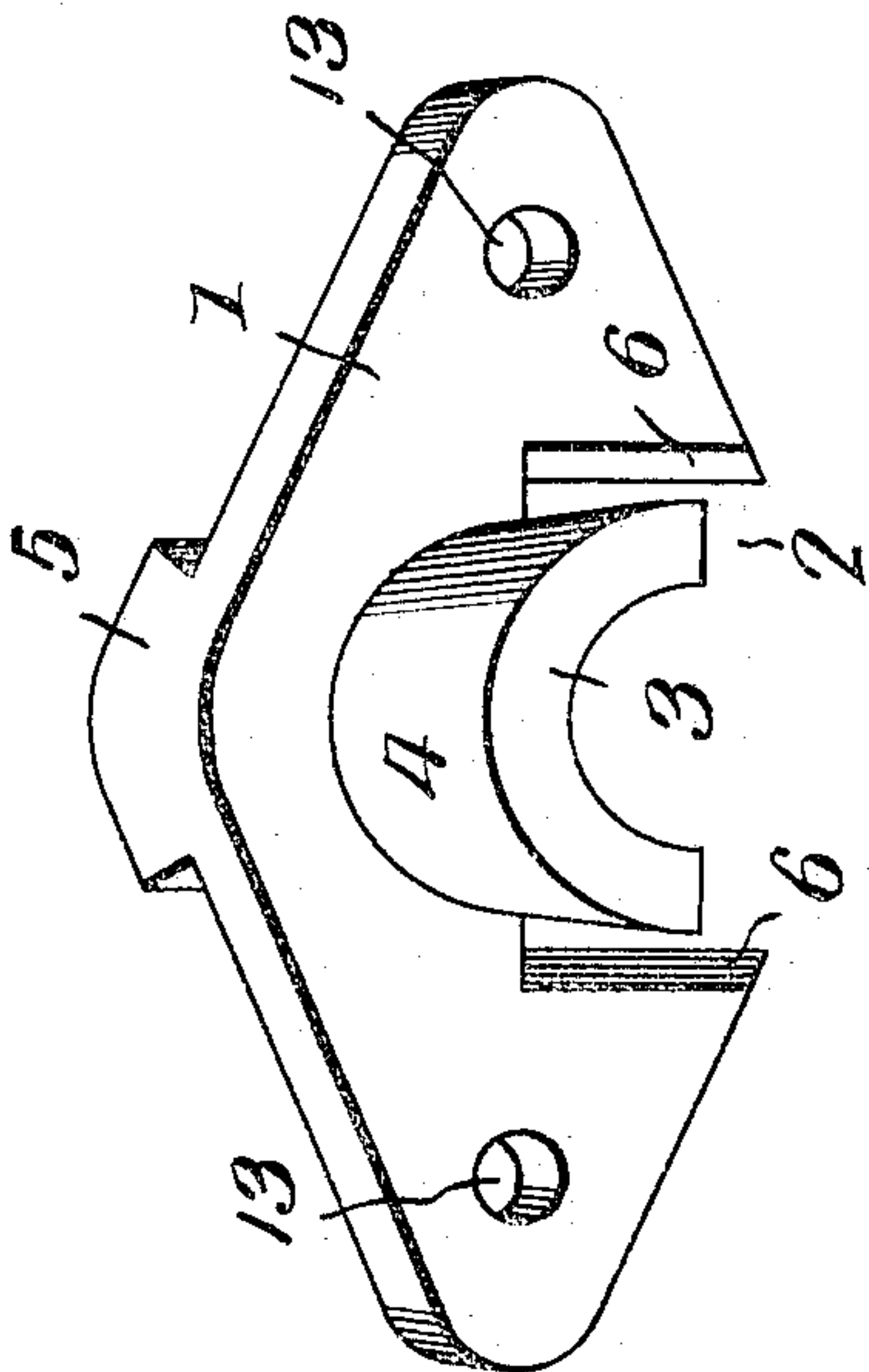


Fig. 4.

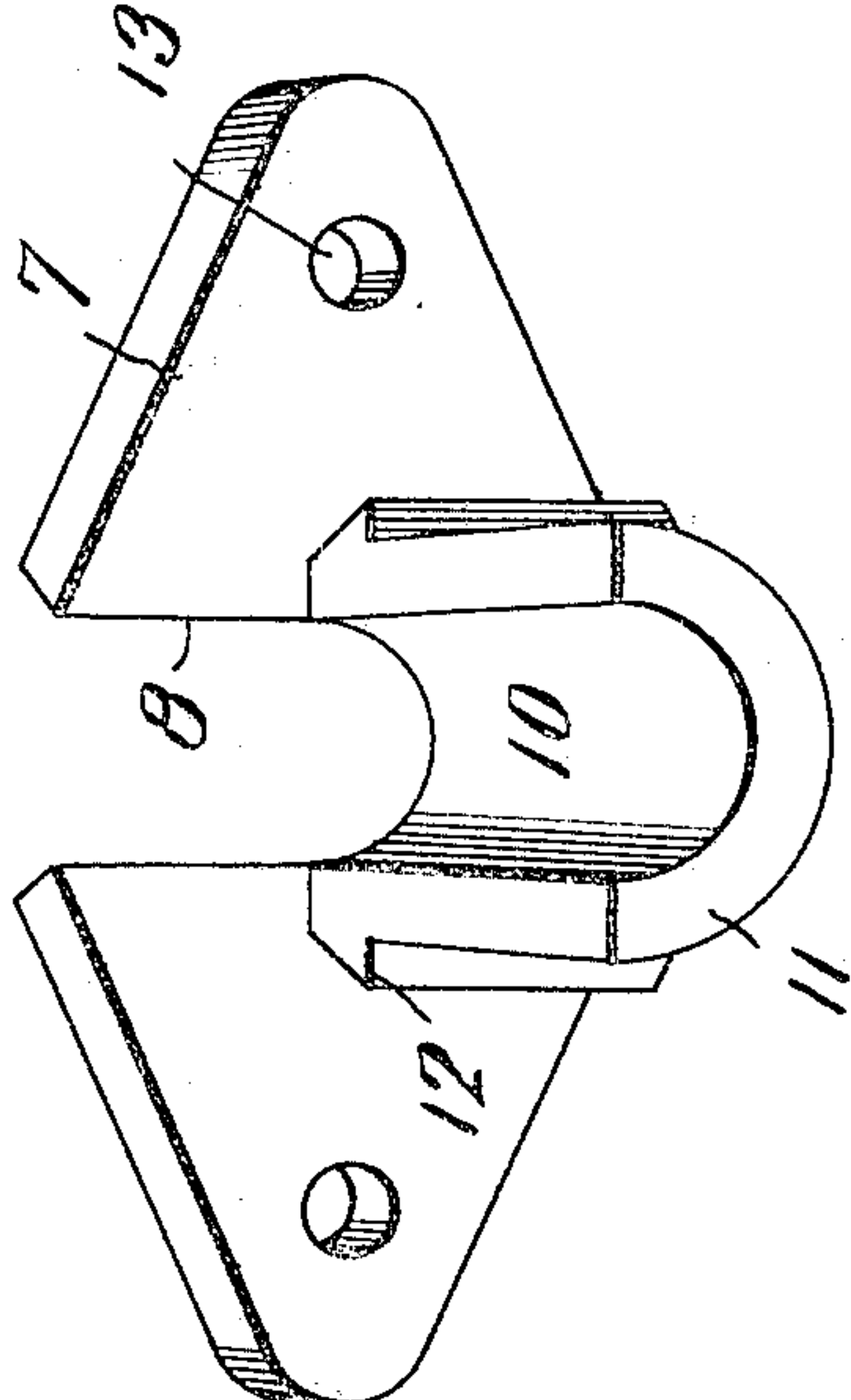


Fig. 1.

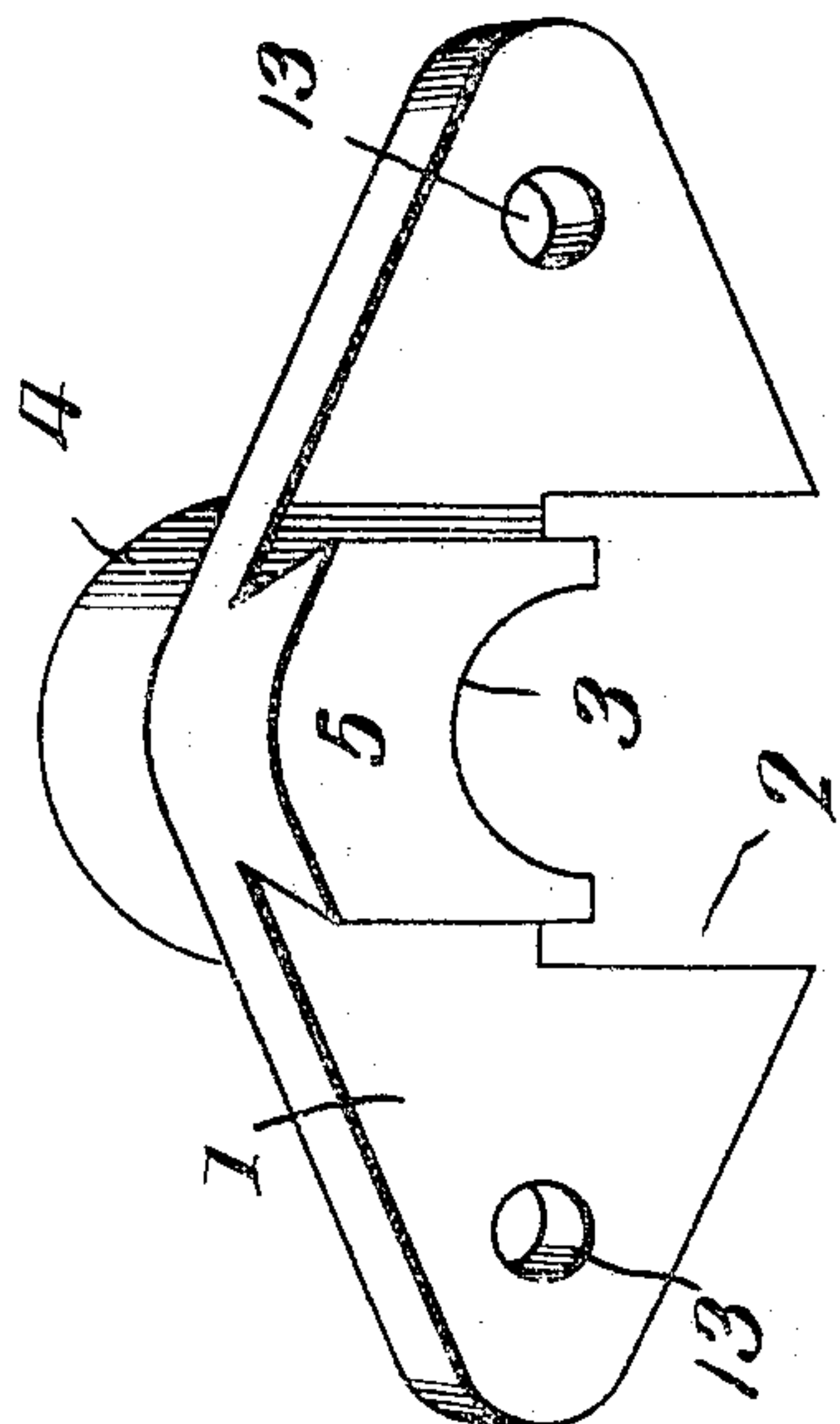
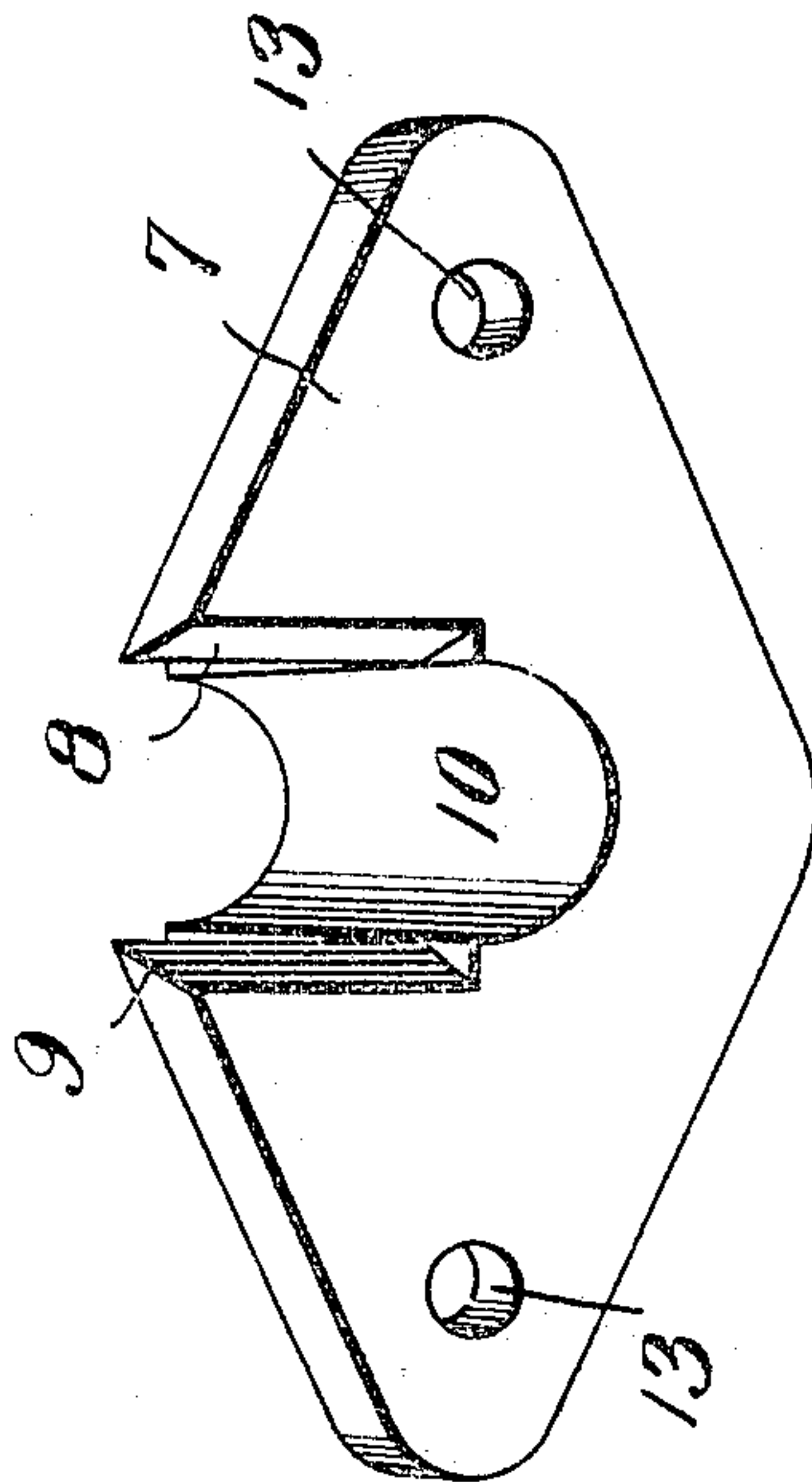


Fig. 3.



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2 SHEETS—SHEET 2.

Fig. 5.

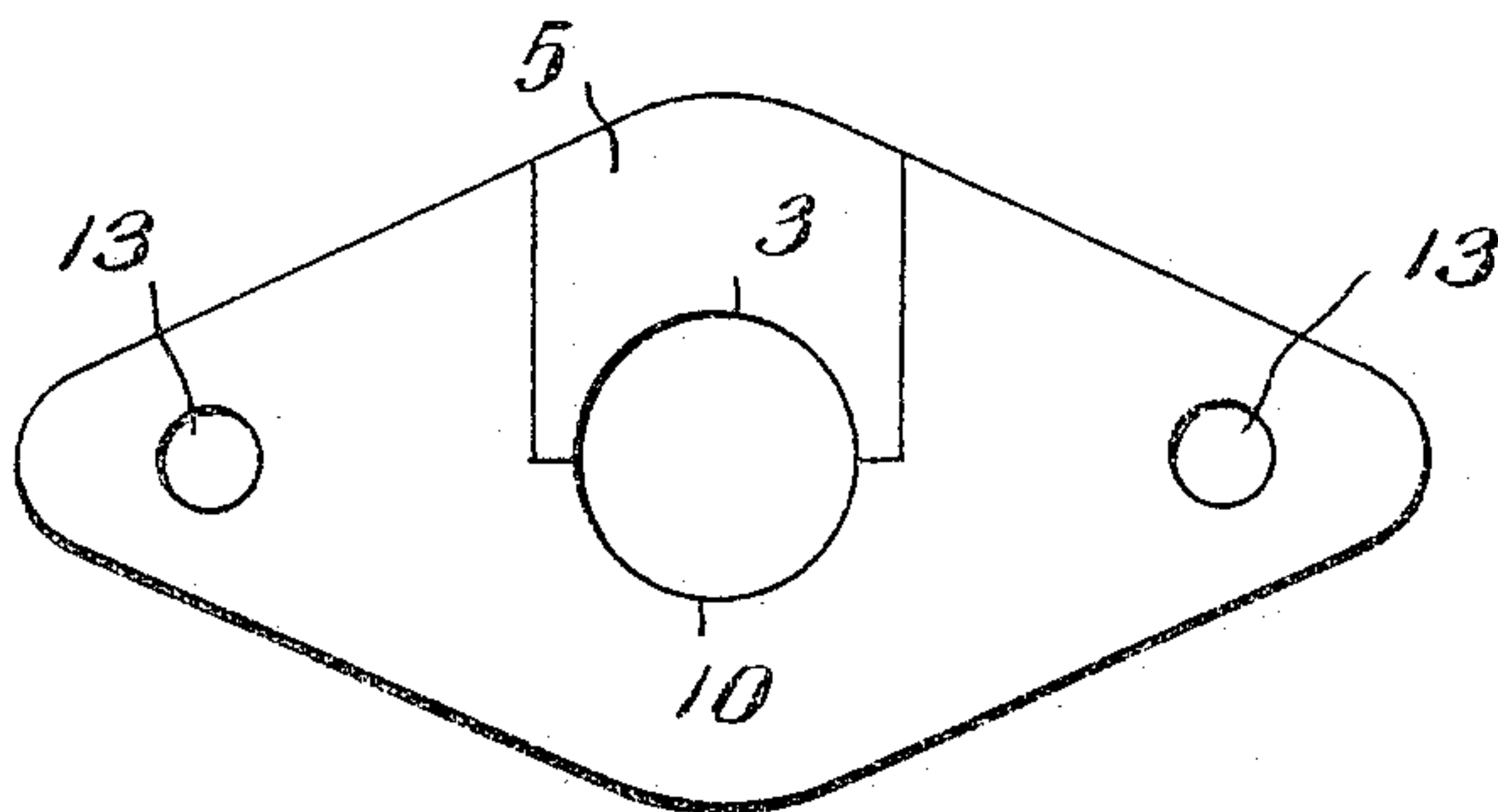


Fig. 6.

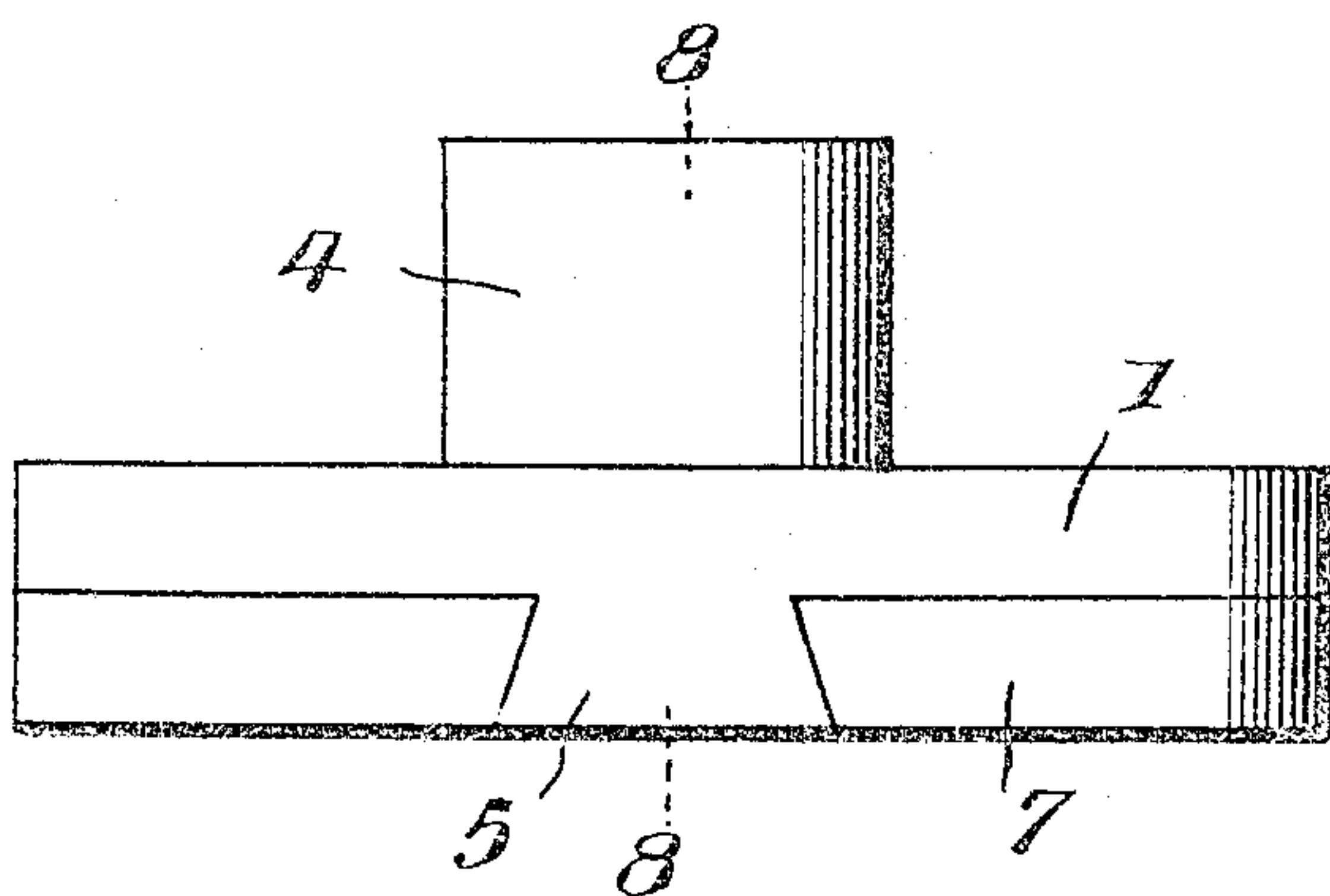


Fig. 8.

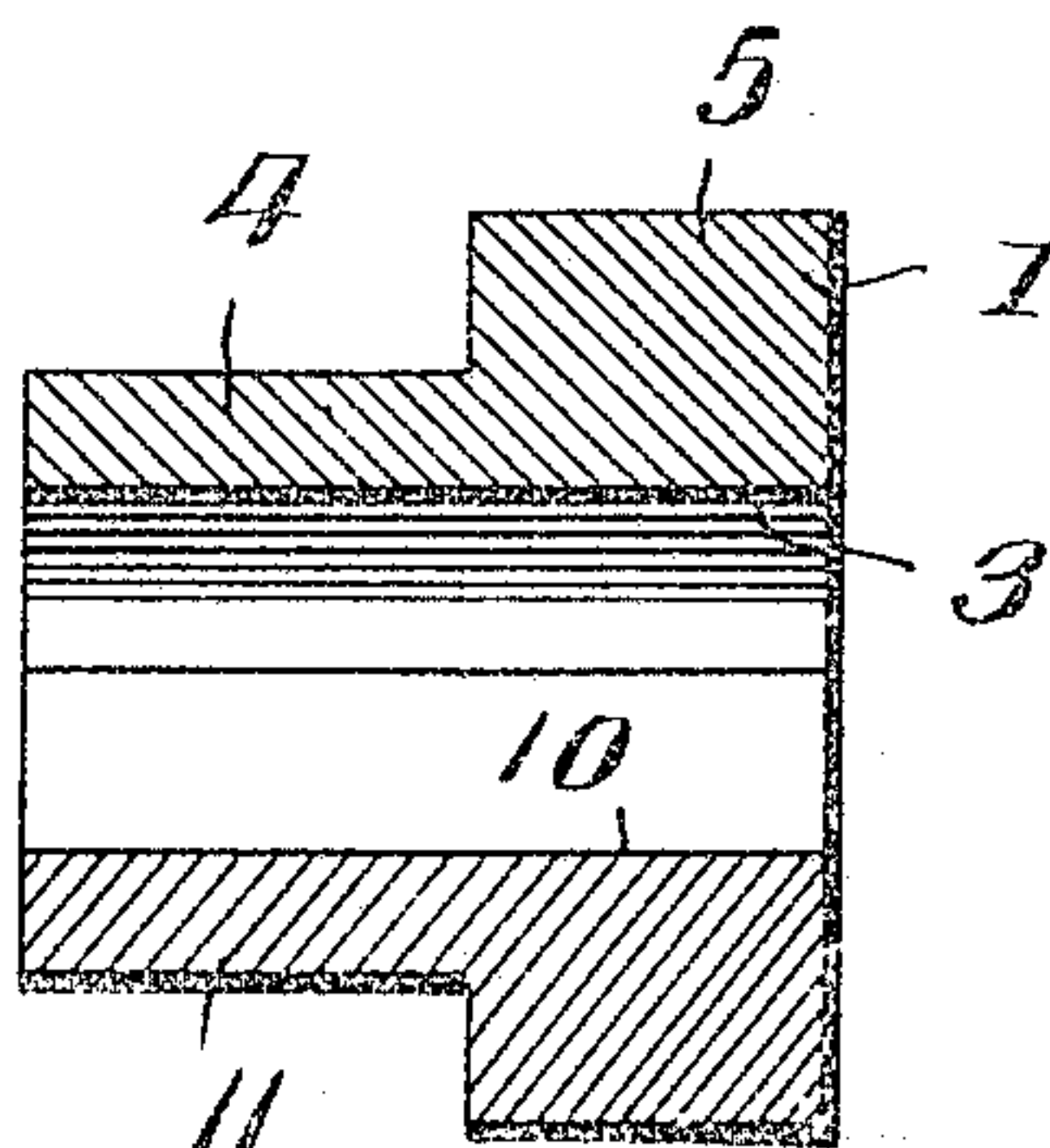
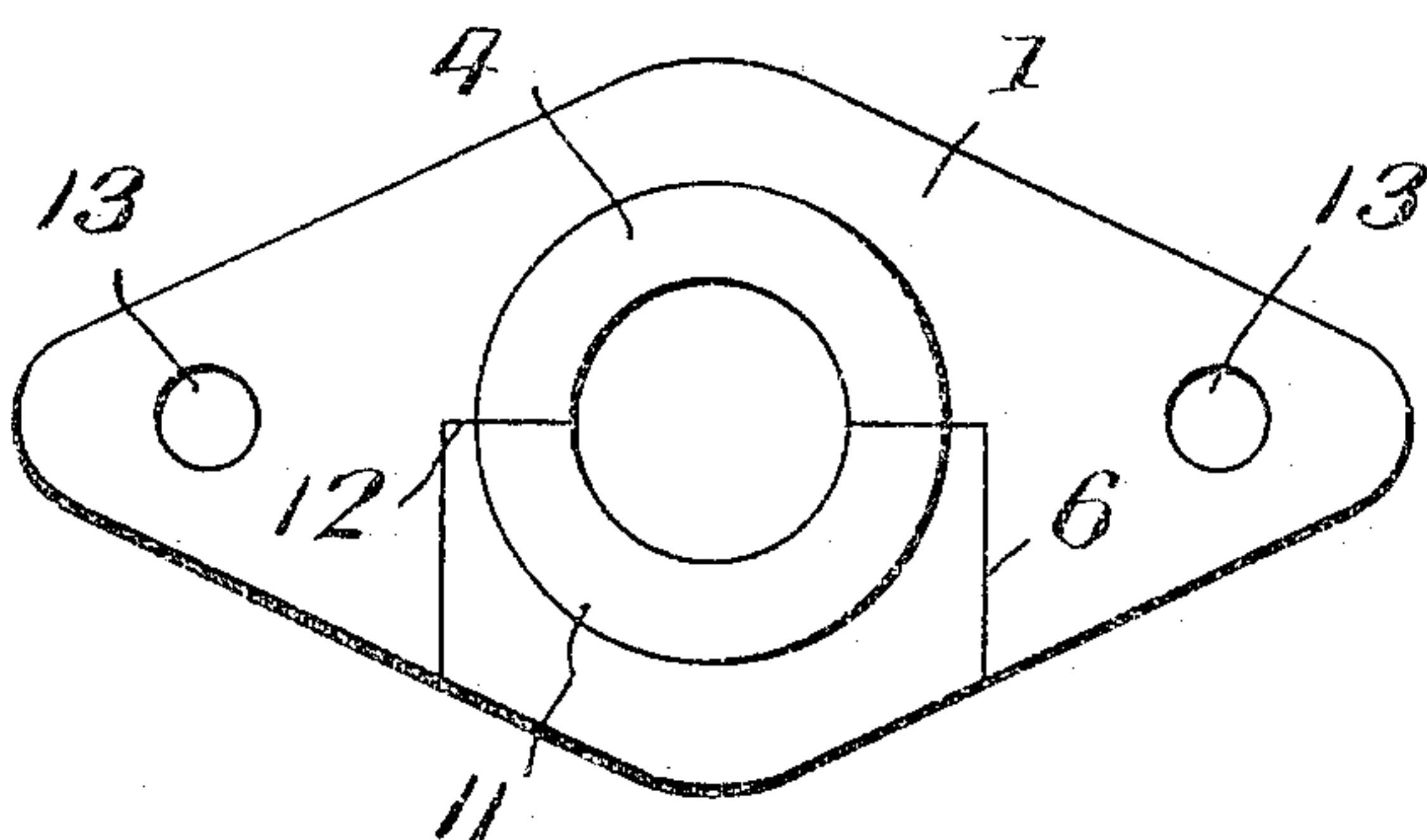


Fig. 7.



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UNITED STATES PATENT OFFICE.

GEORGE E. ALBRAND, OF ROCK ISLAND, ILLINOIS.

STUFFING-BOX.

SPECIFICATION forming part of Letters Patent No. 766,093, dated July 26, 1904.

Application filed February 25, 1904. Serial No. 195,239. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. ALBRAND, a citizen of the United States, residing at Rock Island, in the county of Rock Island and State of Illinois, have invented new and useful Improvements in Stuffing-Boxes, of which the following is a specification.

My invention relates to new and useful improvements in stuffing-boxes for journal-bearings; and its object is to provide a device of this character formed of separable parts which are adapted to be securely fastened together without the necessity of employing the securing devices ordinarily utilized.

A further object is to provide a stuffing-box the parts of which will not spread or allow the packing contained within the bearing to escape or become displaced.

A further object is to provide a stuffing-box which can be used with equal advantage in connection with either revolving or reciprocating rods or shafts.

With the above and other objects in view the invention consists of oppositely-disposed plates, each having a semicylindrical extension which forms a bearing, the two extensions being adapted to register.

The invention also consists of a dovetail extension upon one face of one of the plates which is adapted to fit within and engage a corresponding recess in the other plate.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a front perspective view of one of the parts detached. Fig. 2 is a rear perspective view thereof. Fig. 3 is a front perspective view of the other part. Fig. 4 is a rear perspective view of the part shown in Fig. 3. Fig. 5 is a front elevation of the two parts of the stuffing-box assembled. Fig. 6 is a top plan view thereof. Fig. 7 is an inner elevation thereof; and Fig. 8 is a section on line 8 8, Fig. 6.

Referring to the figures by numerals of reference, 1 is a plate of any suitable form, hav-

ing a recess 2 in one edge thereof, which is provided at its inner end with a semicircular groove 3, which registers with the inner face of a semicylindrical extension 4. Extending laterally from the plate at the other side thereof and in alinement with extension 4 is a dovetail projection 5, the inner wall of which is also provided with the groove 3. The side walls of recess 2 are beveled, as shown at 6.

7 is a plate similar to the plate 1 and having a recess 8 therein substantially equal in area to the recess 2, before referred to, and the side walls of this recess are beveled, as shown at 9, for engagement with the sides of the dovetail extension 5. A semicircular groove 10 is formed in the inner wall of recess 8 and registers with the inner wall of a semicylindrical extension 11, projecting laterally from one face of the plate 7. Adjacent the inner end of this extension are beads 12, having their outer faces inclined, and these beads are adapted to fit within the recess 2 and engage the beveled walls 6 thereof. It will be seen that by providing two members such as herein described the same can be readily fastened together by placing them in approximately the same relation as are Figs. 1 and 3 to each other. The two are then moved toward each other and the dovetail extension or projection 5 is inserted into the recess 8, while the beads 12 on the plate 7 project into the recess 2 and engage its walls. In Figs. 5 to 8 I have shown the parts together. These parts may be held against any possibility of displacement by inserting bolts through apertures 13, formed in the ends of the plates.

It will be seen that this stuffing-box is of very simple and durable construction and will absolutely retain its proper position under all conditions and will not spread or permit the escape of any packing contained therein.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof; and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

1. In a stuffing-box, the combination with a plate having a recess in one side thereof, a dovetail extension upon one face of the plate, and a semicylindrical extension at the other side thereof; of a second plate having a recess in one side thereof adapted to engage the dovetail extension, a semicylindrical extension upon said second plate adapted to register with the first-mentioned similar extension, and means whereby the semicylindrical extension of the second plate is adapted to engage the recess in the first-mentioned plate.

2. In a stuffing-box, the combination with a plate having a recess in one side thereof, a dovetail extension upon one face of the plate, and a semicylindrical extension at the other side thereof; of a second plate having a recess in one side thereof adapted to engage the dovetail extension, a semicylindrical extension upon said second plate adapted to register with the first-mentioned similar extension, and

beads upon the semicylindrical extension of the second plate adapted to engage the recess in the other plate. 25

3. A stuffing-box comprising a plate having a recess in one edge thereof, a dovetail extension projecting from one side of said plate and alining with the inner wall of the recess, a second extension projecting from the other face of said plate and alining with the inner wall of the recess, a second plate having a recess in one edge thereof, the side walls of said recess being beveled, an extension projecting laterally from said second plate and alining with the inner wall of its recess, and beads upon said extension having beveled side walls, said beads being adapted to engage the recess in the other plate. 35 40

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

GEORGE E. ALBRAND.

Witnesses:

H. H. HUBBARD,
J. D. VAN BUREN.