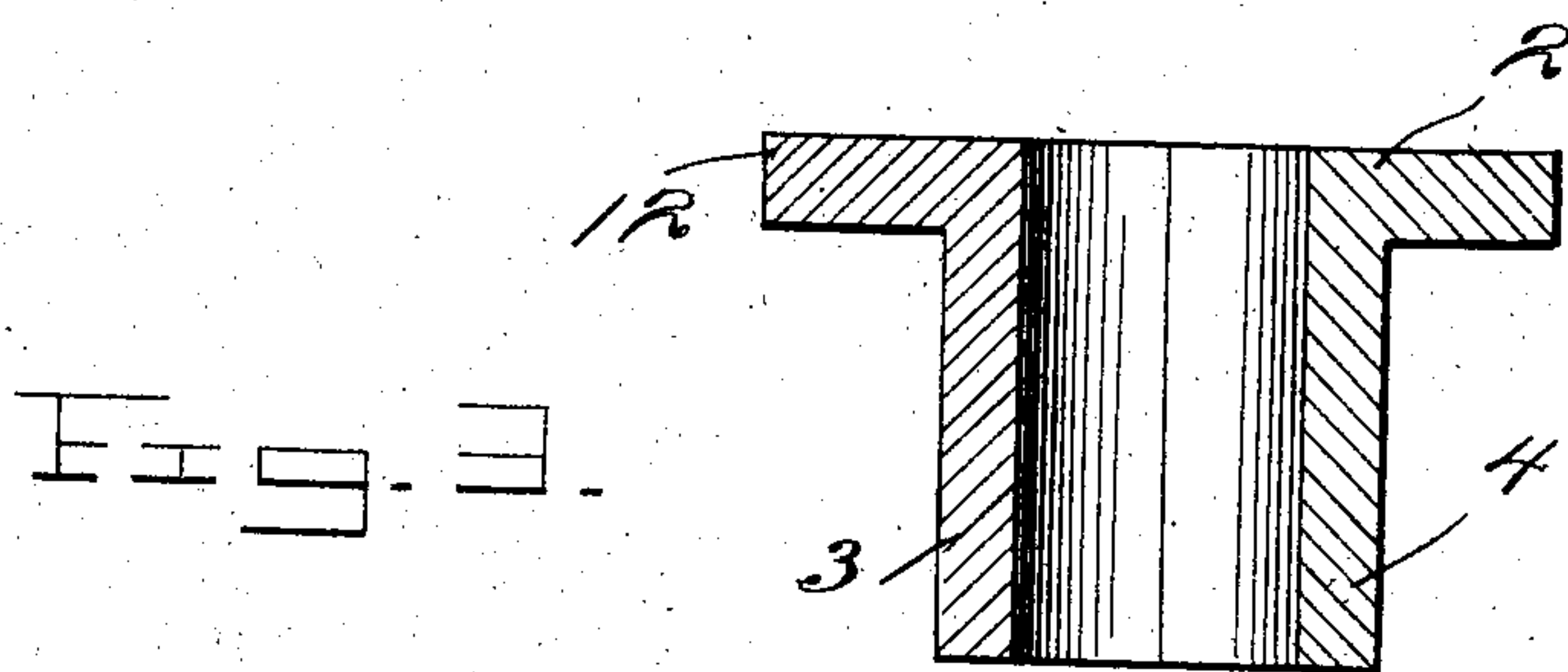
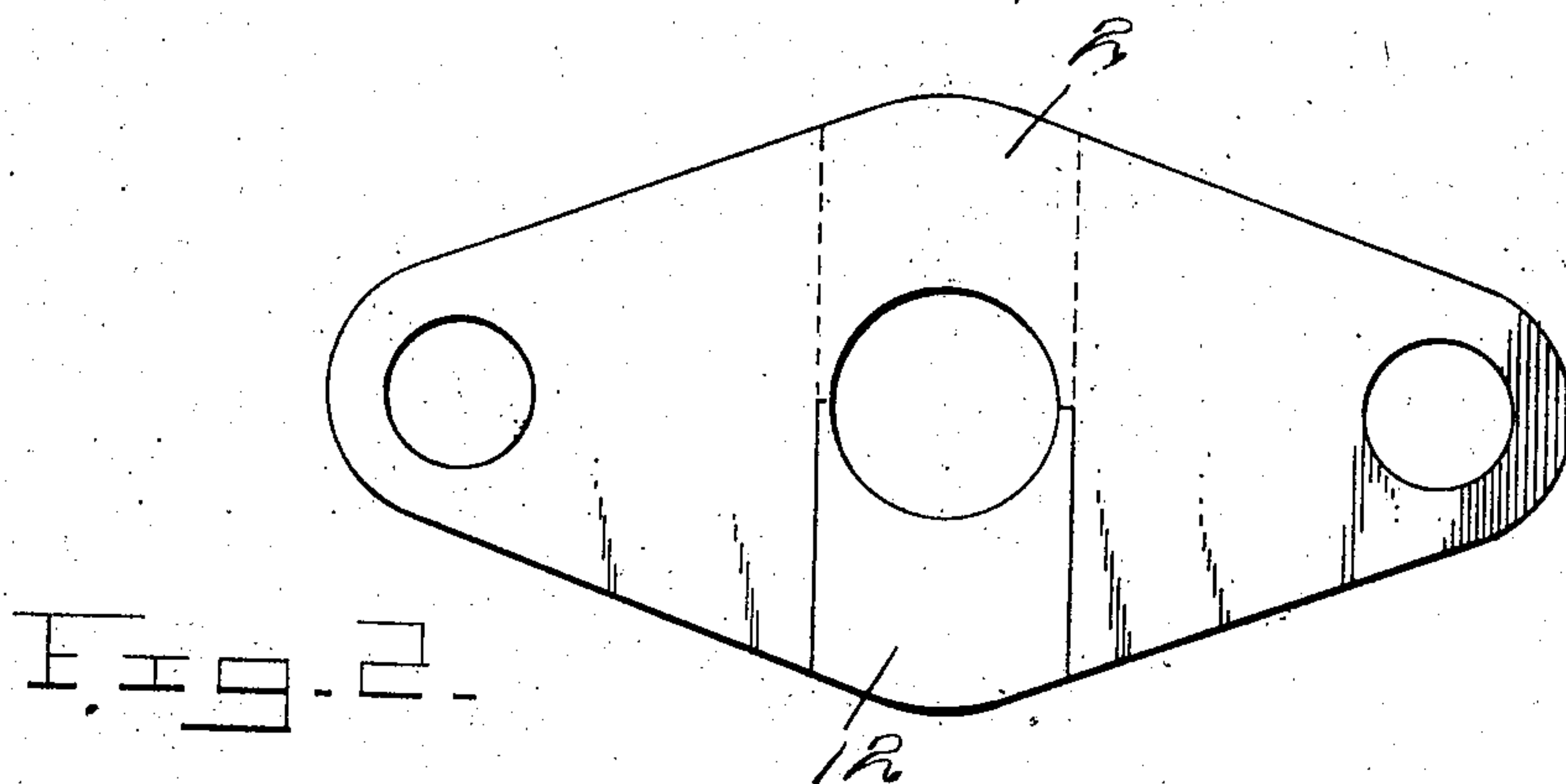
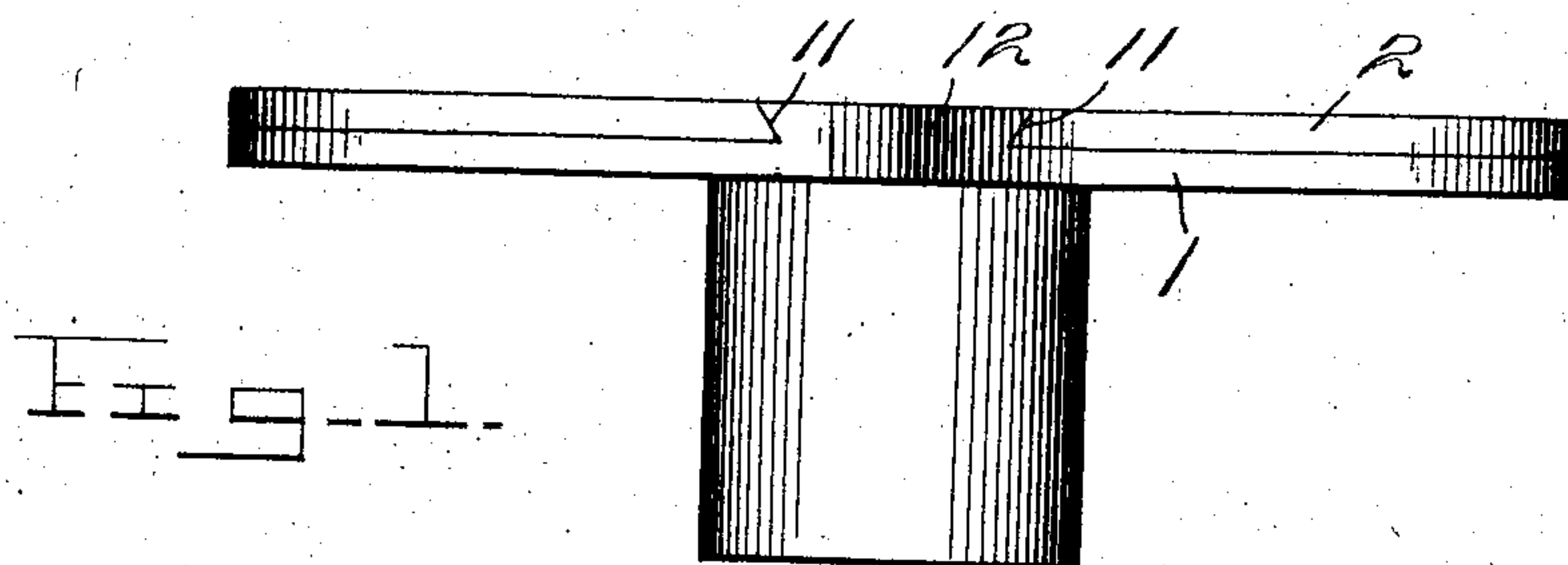


No. 835,007.

PATENTED NOV. 6, 1906.

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STUFFING BOX GLAND.
APPLICATION FILED JULY 8, 1905.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

Fig. 4.

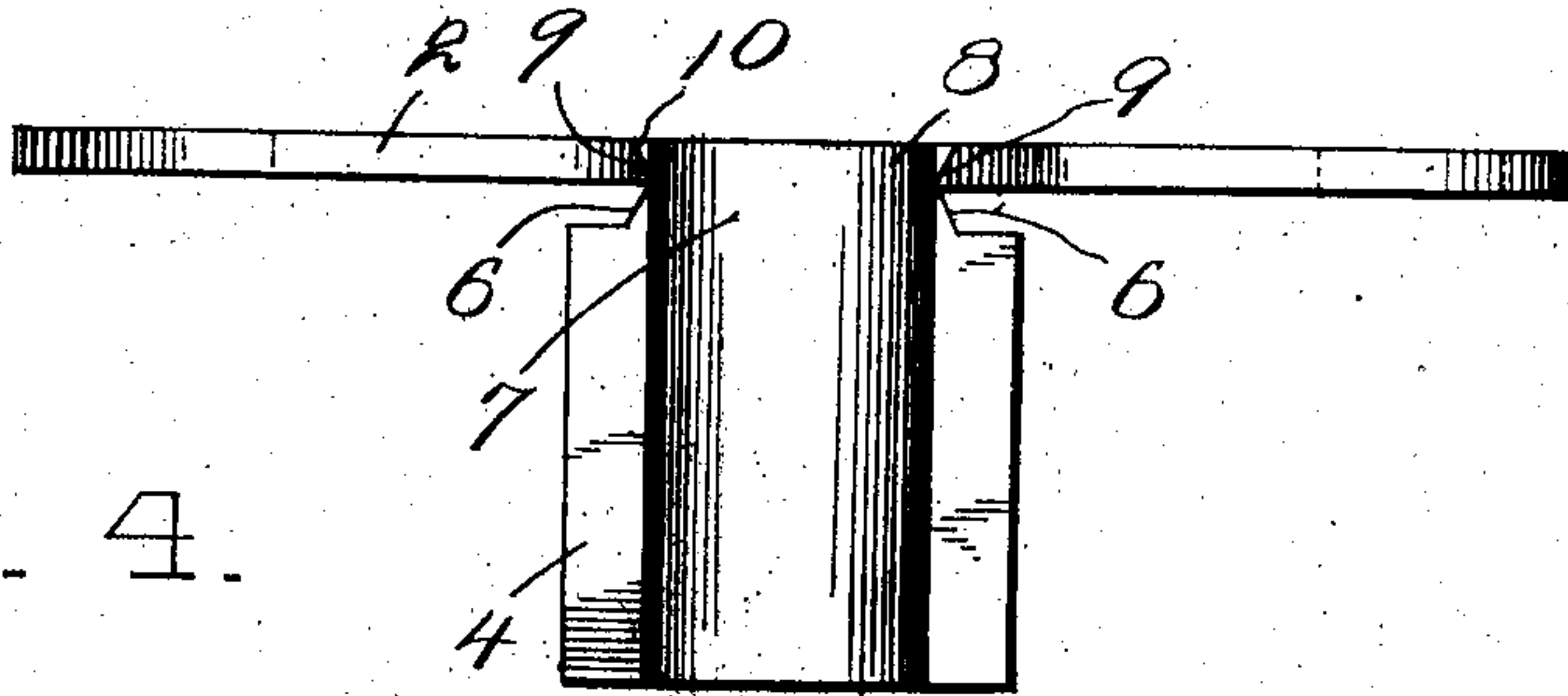


Fig. 5.

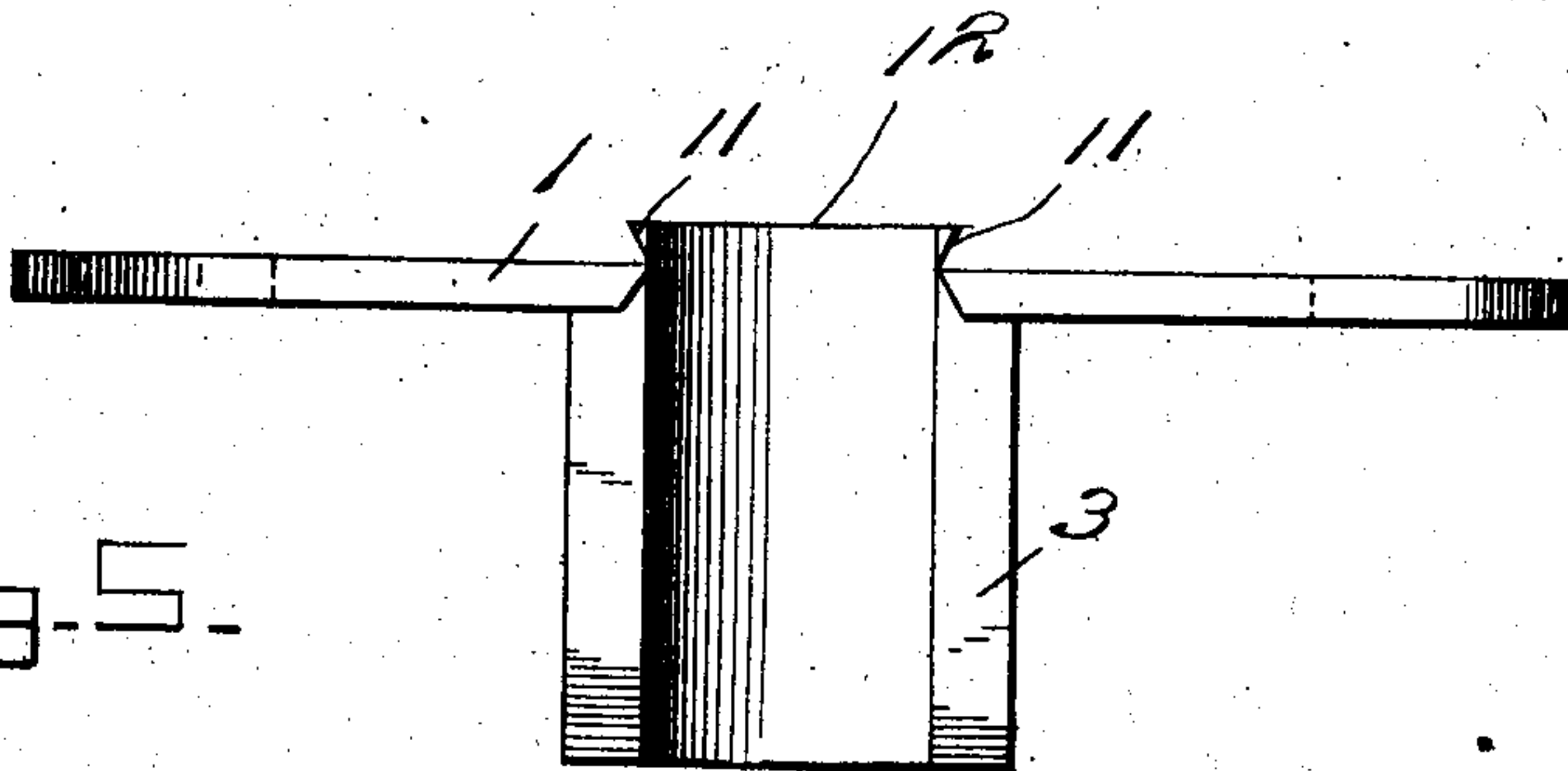


Fig. 6.

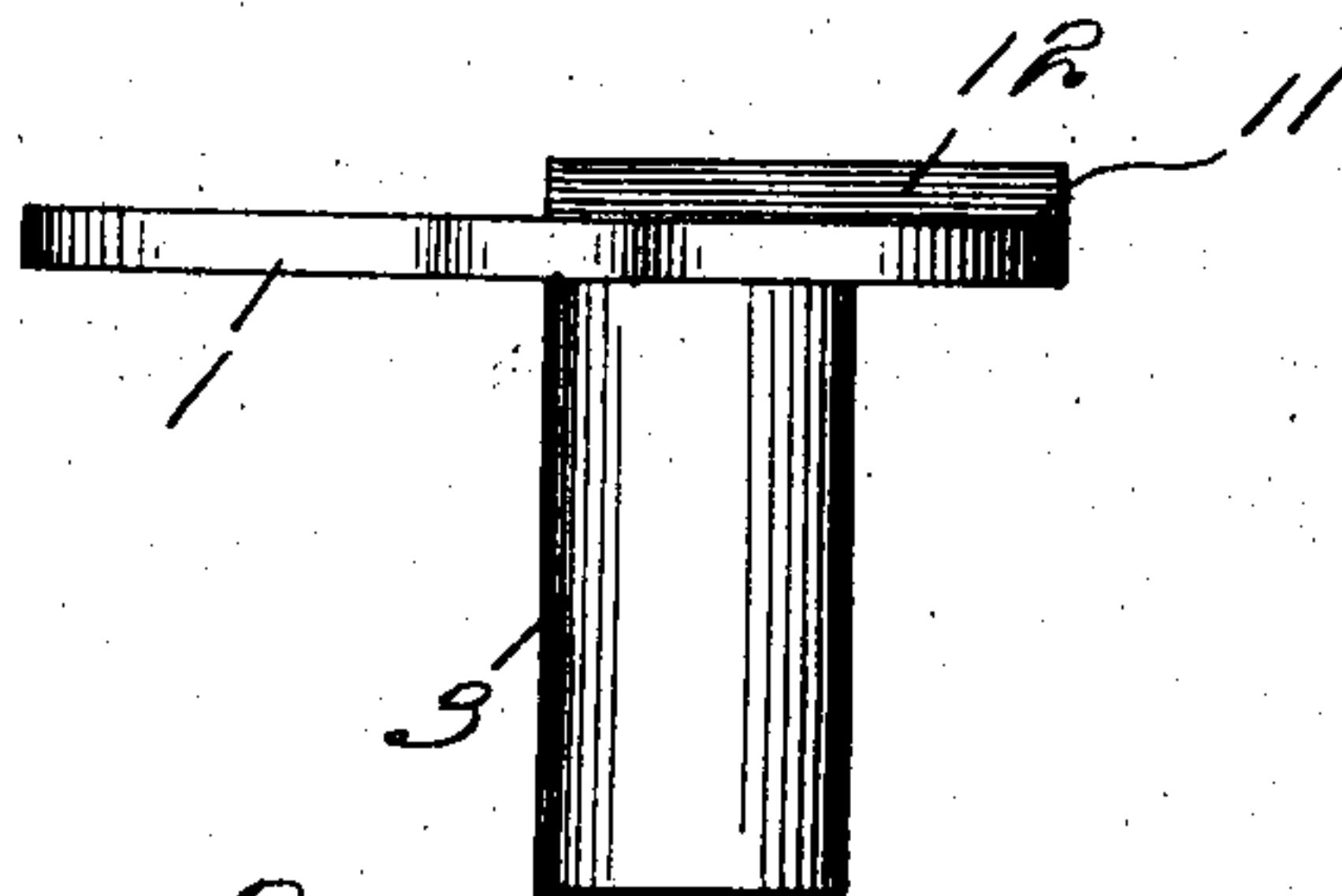
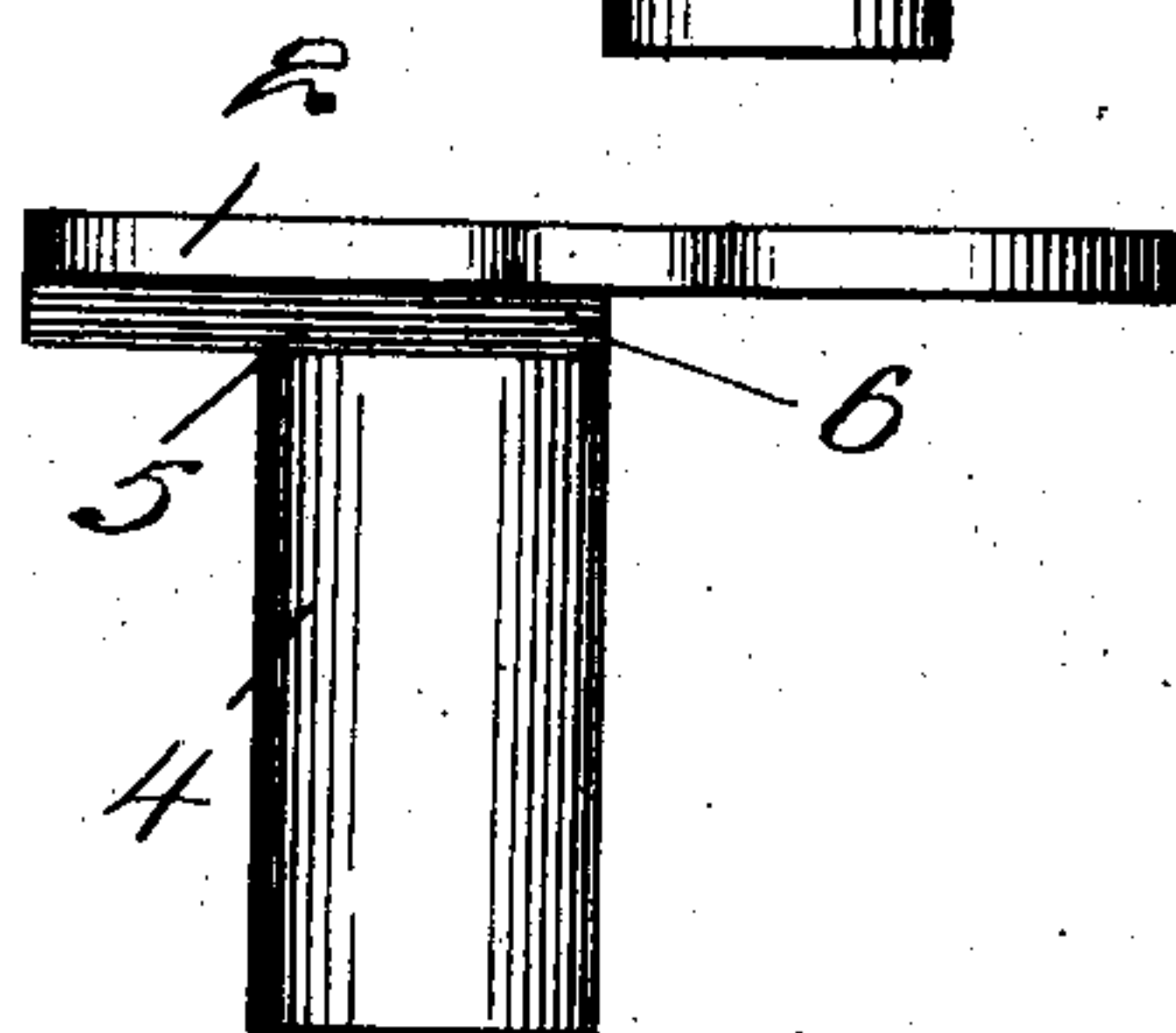


Fig. 7.



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UNITED STATES PATENT OFFICE.

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STUFFING-BOX GLAND.

No. 835,007.

Specification of Letters Patent.

Patented Nov. 6, 1906.

Application filed July 6, 1905. Serial No. 268,519.

To all whom it may concern:

Be it known that I, WALTER A. BUNCH, a citizen of the United States, residing at Chattanooga, in the county of Hamilton, State of Tennessee, have invented certain new and useful Improvements in Stuffing-Box Glands; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to separable stuffing-box glands.

One object of the invention is to provide a stuffing-box gland of two separate pieces, whereby the gland may be readily attached or detached from a piston or pipe upon which it may be located.

Another object of the invention resides in the provision of an exceedingly simple, inexpensive, durable, and efficient gland of the character stated.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the present invention.

In the drawings, Figure 1 is a side elevation of the gland. Fig. 2 is a top plan view. Fig. 3 is a transverse vertical section of the gland. Fig. 4 is an inner side elevation of one member of the gland. Fig. 5 is an inner side elevation of the other member of the gland. Fig. 6 is an end elevation of one member of the gland. Fig. 7 is an end elevation of the other member of the gland.

Referring now more particularly to the accompanying drawings, the reference characters 1 and 2 indicate ears designed to be fitted one upon the other. Formed upon one side of each ear 1 and 2 is a semicircular stem 3 and 4, respectively. It will be seen that the semicircular stem 3 is formed directly upon one face of the ear 1, while the semicircular stem 4 is formed directly upon the shoulder 5 of the ear 2, which has its opposite edges beveled, as at 6. This shoulder 5 is provided

with a semicircular notch 7, which corresponds to the semicircular formation of the stem 4 and which two latter elements are arranged in alinement with the circular end 8 of the slot 9, formed through one side edge of the ear 2, the edges of the slot 9 being in direct alinement with the beveled edges 6 of the shoulder 5 and also beveled at its under edge, as at 10, in a direction opposite to the bevel of the edge 6 of the shoulder 5. These beveled edges 10 of the slot 9 are designed to embrace the correspondingly-beveled edges 11 of the shoulder 12, formed on the ear 1, while the beveled edge 6 of the shoulder 5 of the ear 2 is designed to receive the beveled edges 13 of the slot 14, formed through one side of the ear 1 in alinement with its semicircular stem 3. It will thus be understood that the slots 9 and 14 of the respective ears are formed through corresponding sides thereof and are disposed for alinement with each other, both slots being the same in formation, save that their beveled edges are reversed with respect to each other. It will also be seen that the shoulder of the respective plates of said ears are upon opposite sides with respect to each other and that when the ears are assembled for the formation of a circular bearing therebetween and their corresponding semicircular stems 3 and 4 that the ears and their stems are interlocked with their shoulders in alinement with the outer face of the opposite ears.

In order that my invention will be more readily understood in its application, I have illustrated in the accompanying drawings a view showing the association of the gland with the stuffing-box. In other words, the reference character *a* designates one end of a cylinder provided with a stuffing-box *b*, in which is fitted one end of a shaft *c*. Surrounding the shaft within the stuffing-box is a suitable stuffing or packing material *d*. The semicircular projections 3 and 4, forming the circular bearing described are fitted within the boxing *b* in the manner illustrated, and the ears 1 and 2 of my invention, being each provided with the oppositely-disposed circular perforations 15 and 16, it is obvious that when the gland-bolts 17 are passed through the alining perforations 15 and 16 of the ears 1 and 2 and connected in any suitable manner with the cylinder-head *a* that the gland-

ears 2 and 3 cannot become disengaged from their interlocked position with relation to each other.

What is claimed is—

- 5 1. A stuffing-box gland comprising two separable sections each provided with ears adapted to lie one upon the other when the sections are fitted together, said ears being provided with oppositely-disposed inwardly-
10 directed transverse slots; a semicircular stem formed directly upon the under face and a shoulder formed upon the upper face of one of said ears; a shoulder formed upon the lower face of the opposite ear in alinement
15 with said upper shoulder; and a semicircular stem formed upon the lower face of said lower shoulder, said shoulders being adapted to fit in the corresponding slots, to hold the sections interlocked.
- 20 2. A stuffing-box gland comprising two separable sections each provided with ears adapted to lie one upon the other when the

sections are fitted together, said ears being provided with oppositely-disposed inwardly-
25 directed transverse slots formed intermediate the ends thereof and having oppositely-beveled edges; a semicircular stem formed directly upon the under face and a shoulder formed upon the upper face of one of said
30 ears, a shoulder formed upon the lower face of the opposite ear in alinement with said upper shoulder; and a semicircular stem formed upon the lower face of said lower shoulder, said shoulders having their edges oppositely
35 beveled and being adapted to fit in the corresponding slots to hold the sections interlocked.

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

WALTER A. BUNCH.

Witnesses:

W. E. STAGE,
OTTO KRIEGNER.