

(No Model.)

T. BARBER.

STUFFING BOX.

No. 313,703.

Patented Mar. 10, 1885.

Fig. 3.

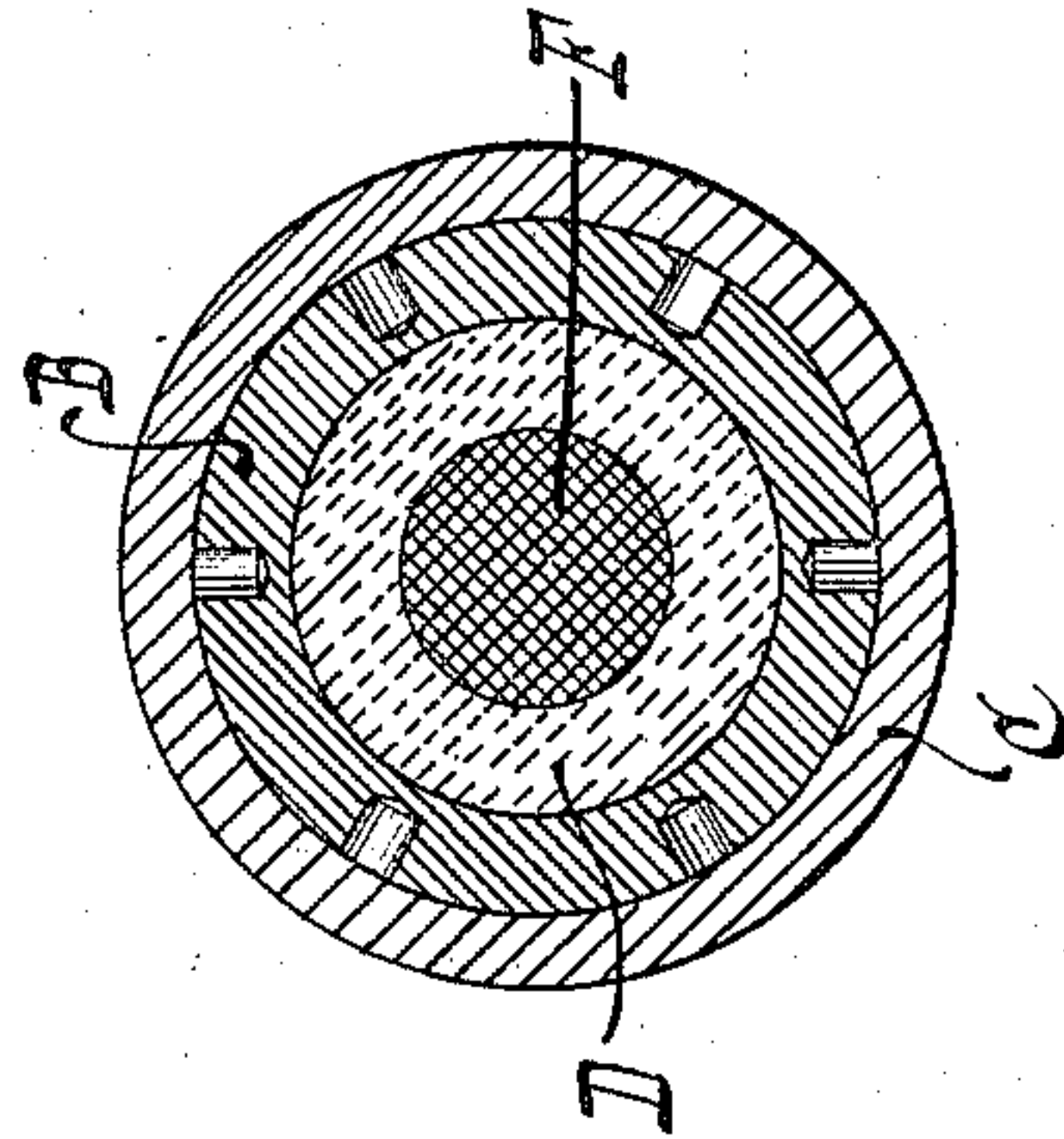


Fig. 2.

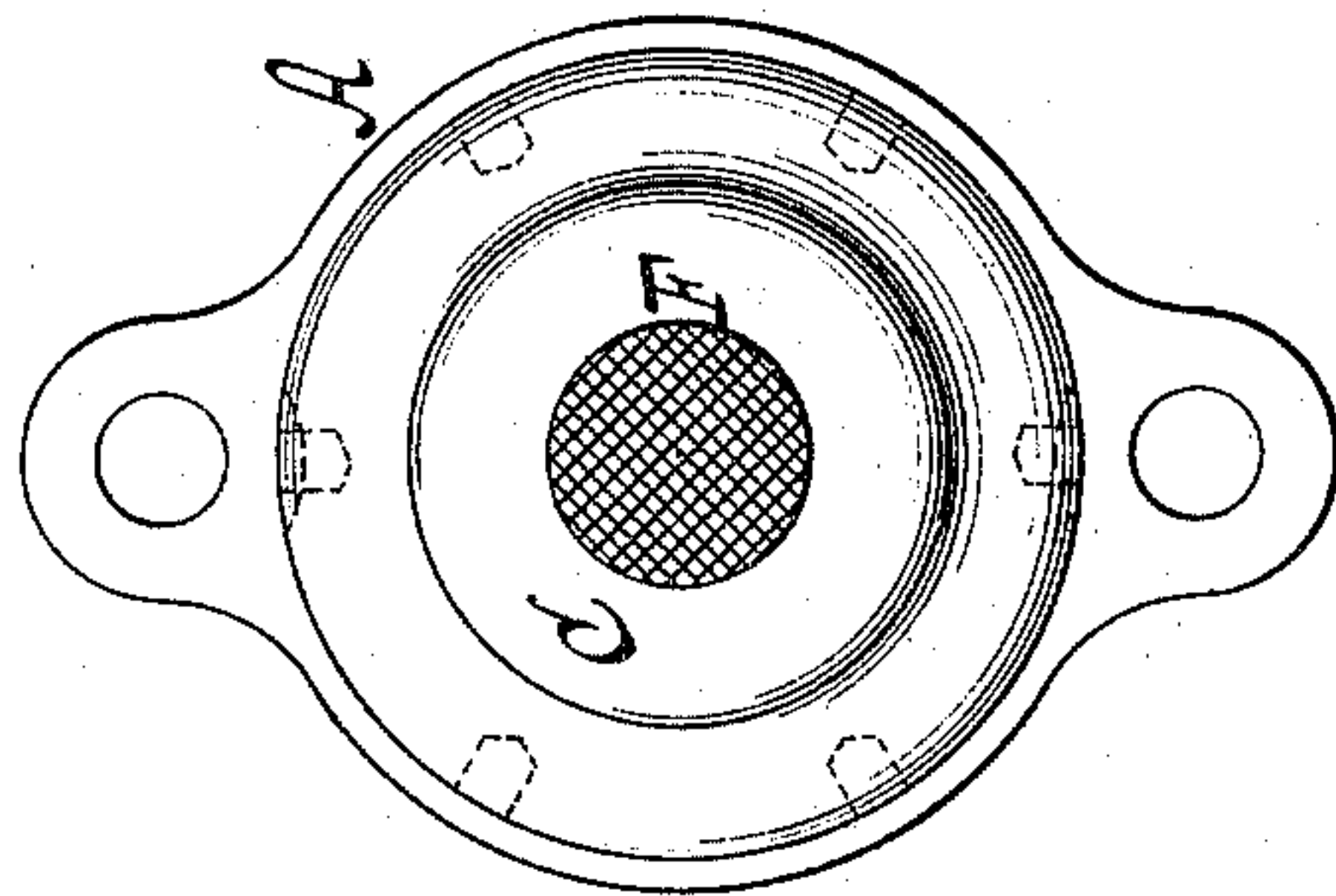
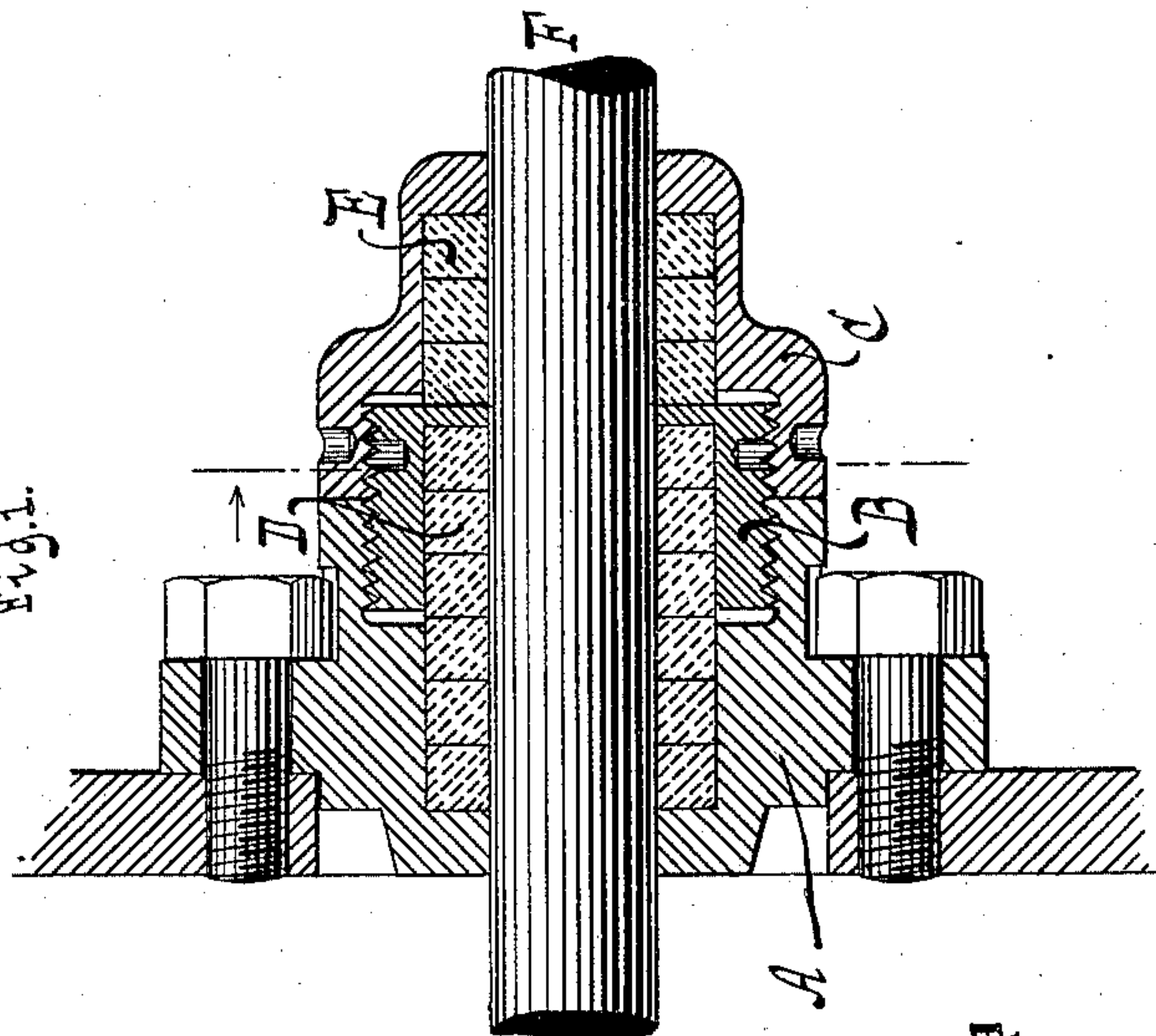


Fig. 1.



WITNESSES:

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THOMAS BARBER, OF FLATBUSH, NEW YORK.

STUFFING-BOX.

SPECIFICATION forming part of Letters Patent No. 313,703, dated March 10, 1885.

Application filed June 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, THOMAS BARBER, a citizen of the United States, residing at Flatbush, in the county of Kings and State of New York, have invented new and useful Improvements in Stuffing-Boxes, of which the following is a specification.

This invention relates to stuffing-boxes for steam-engines and other general uses; and it consists in the novel features of construction hereinafter described, whereby an article of superior utility is obtained.

In the accompanying drawings, Figure 1 is a longitudinal section of a stuffing-box embodying my invention. Fig. 2 is an end view thereof. Fig. 3 is a cross-section of the same.

Similar letters indicate corresponding parts.

The letter A designates the body of the box, which is bolted or otherwise properly secured to the desired part—as to the head of a cylinder, and B C are two glands, both acting on a set of packing-rings, D or E, which are fitted upon the piston-rod F or other part to which the box is concomitant. The gland B, which may be termed the “main gland,” is secured to the body of the box by means of an external screw-thread engaging an internal thread of the body, while the other or auxiliary gland, C, is secured to the main gland by means of an internal screw-thread engaging the thread of the main gland, the latter being made of such length as to project from the body when it has been driven home, leaving

a portion of its thread exposed, as shown in Fig. 1. Both glands B C are provided with sockets to receive a key or wrench for adjusting the same, and the main gland operates to compress the packing-rings D against the inner end of the usual annular space in the body of the box, while the auxiliary gland C operates to compress the packing-rings E against the outer end of the main gland, and it will be seen that by this construction a very efficient stuffing-box is obtained.

It is evident that instead of packing-rings any other suitable form of packing may be employed, and instead of the screw-threads any other known means may be employed for securing the parts to each other.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, substantially as hereinbefore described, with the body of the box having an internal screw-thread, of the main gland having an external screw-thread to engage the thread of the body and the auxiliary gland having an internal screw-thread to engage the thread of the main gland.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

THOMAS BARBER. [L. S.]

Witnesses:

W. HAUFF,
CHAS. WAHLERS.