

No. 729,001.

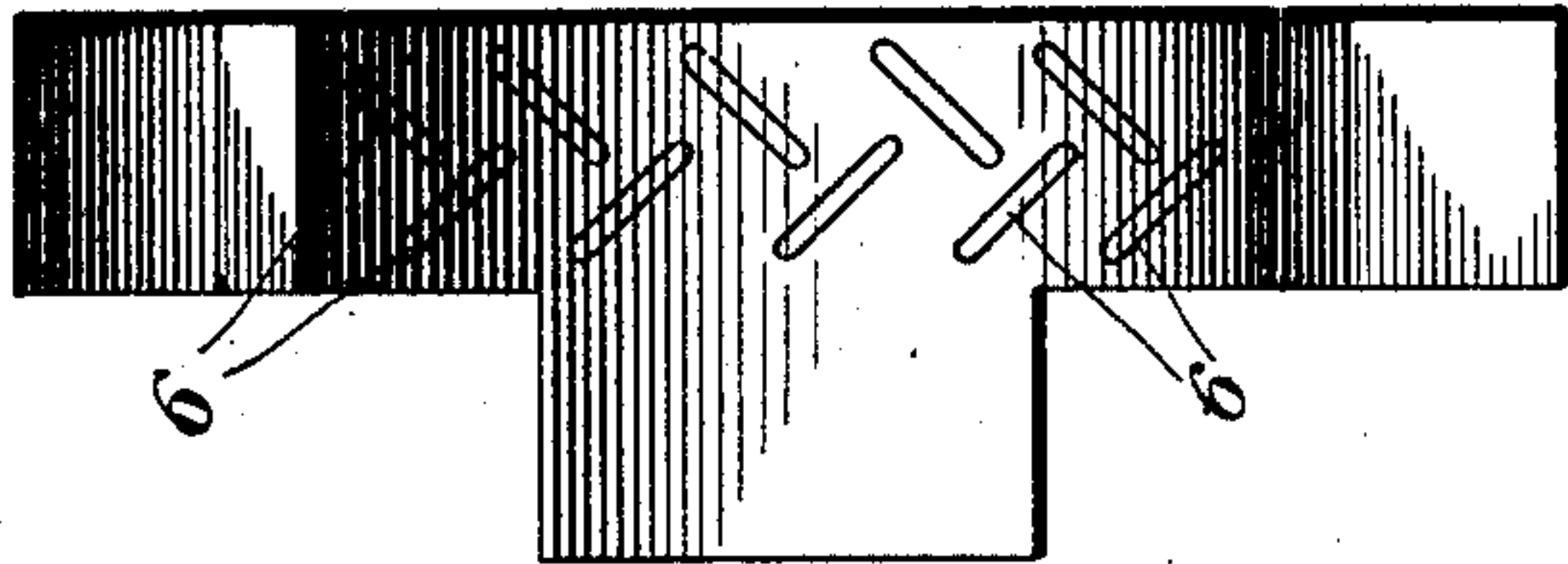
PATENTED MAY 26, 1903.

R. D. SMITH.  
METALLIC PACKING.

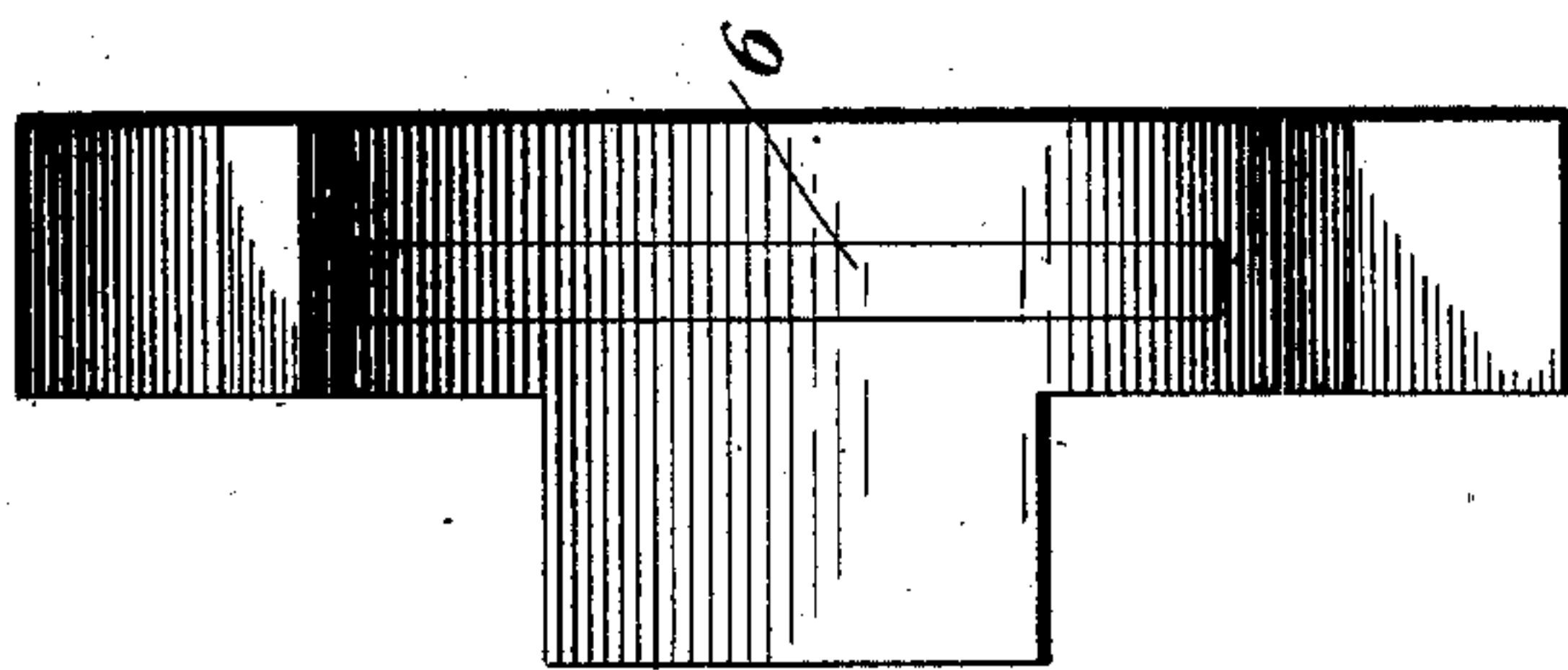
APPLICATION FILED AUG. 28, 1901.

NO MODEL.

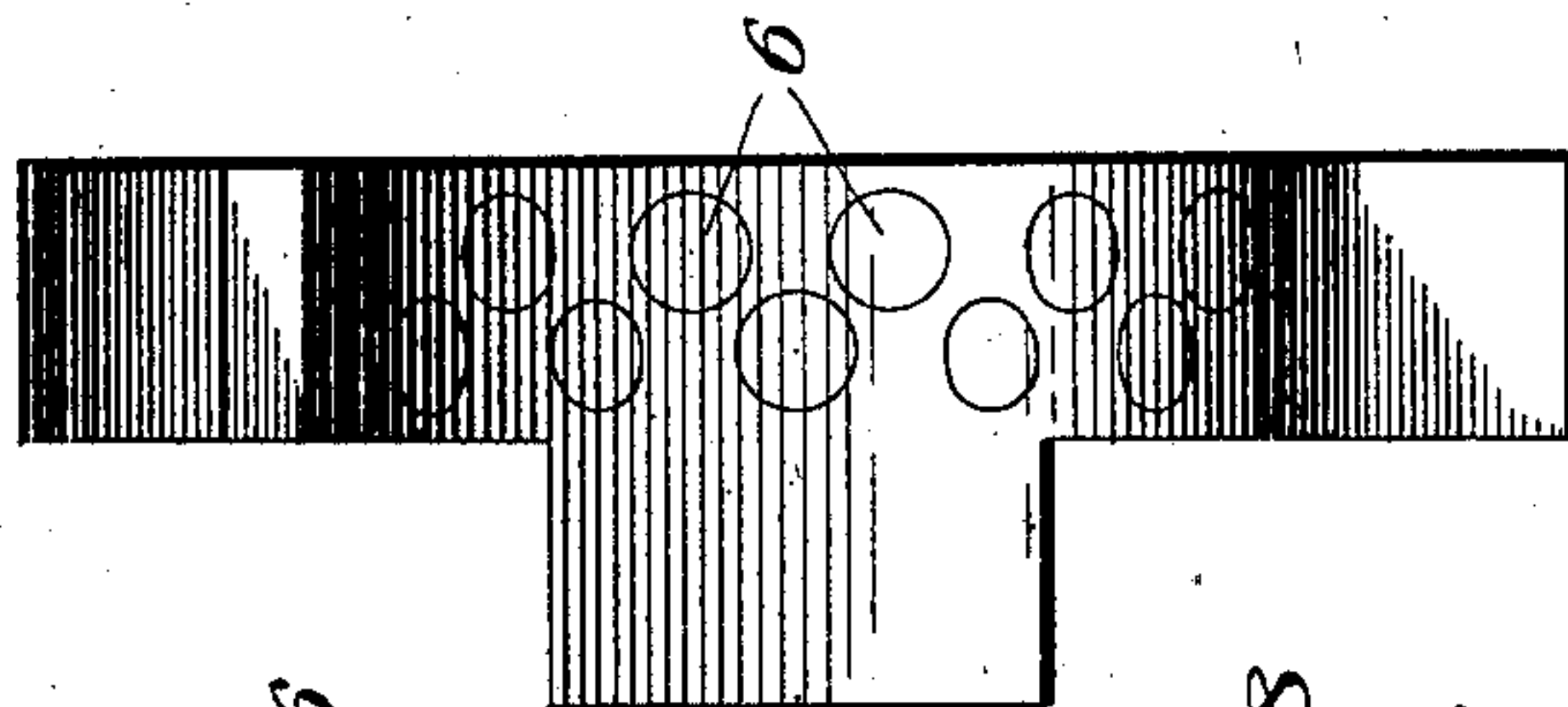
*Fig. 5.*



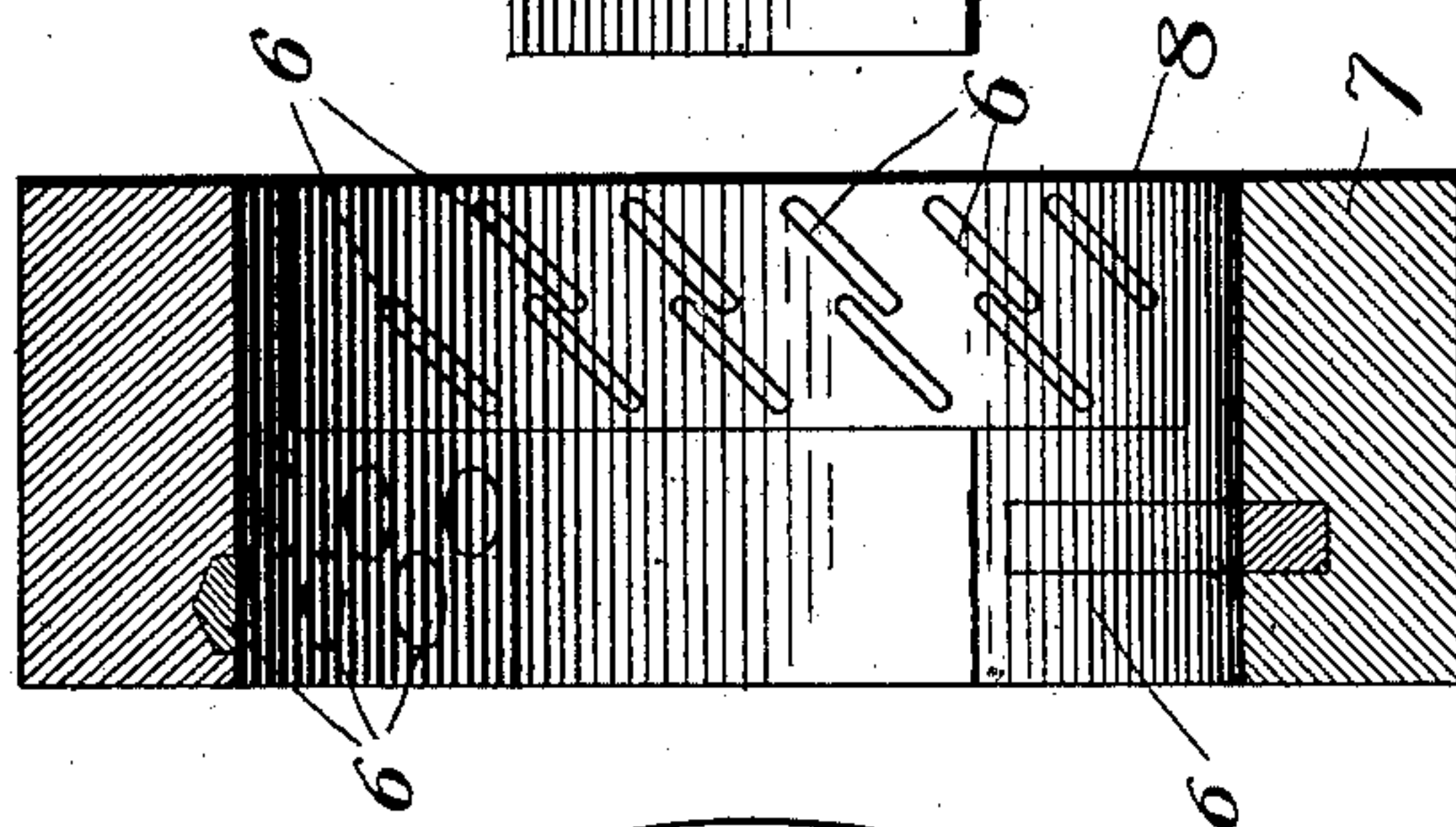
*Fig. 4.*



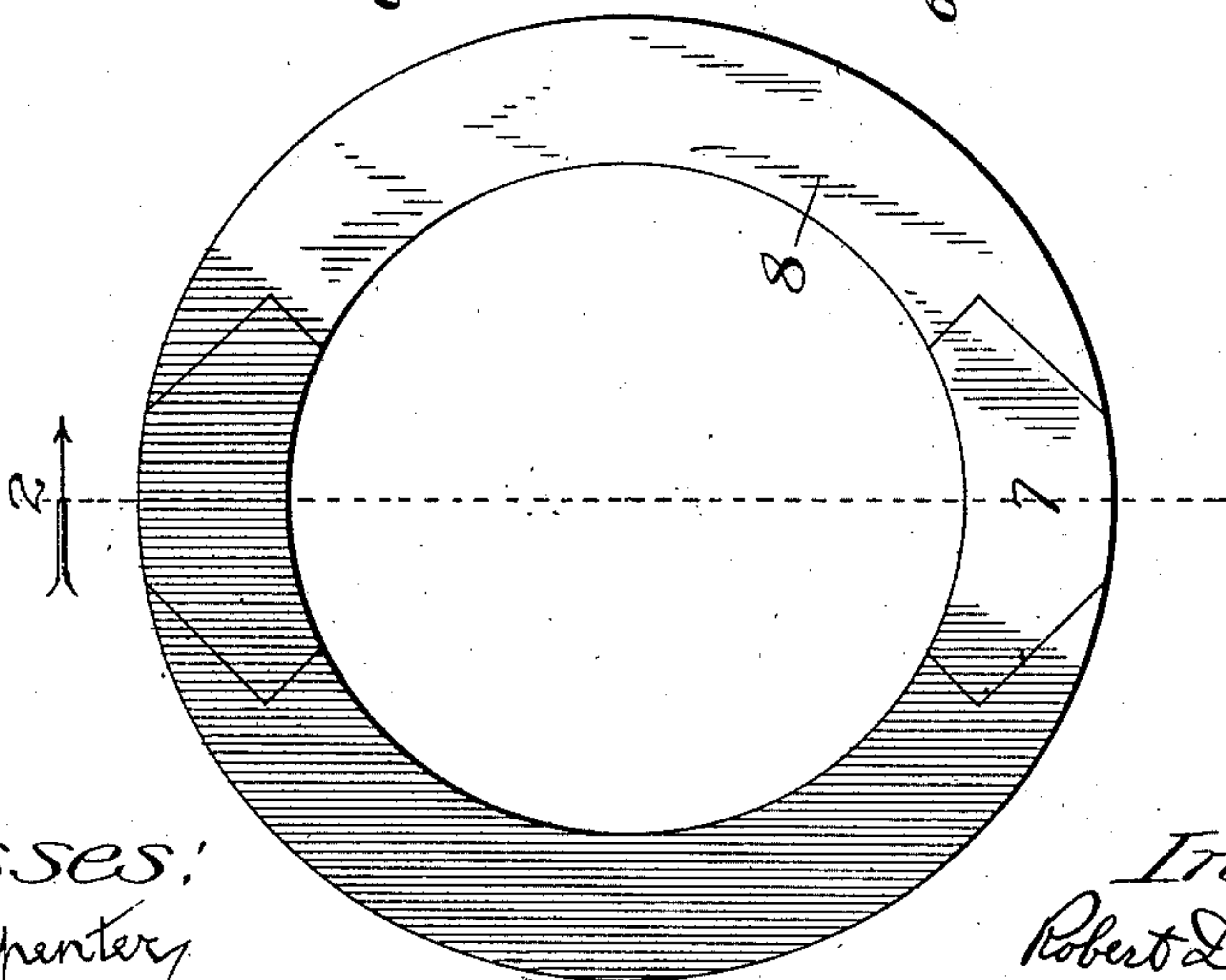
*Fig. 3.*



*Fig. 2.*



*Fig. 1.*



Witnesses:  
Paul Carpenter  
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## UNITED STATES PATENT OFFICE.

ROBERT D. SMITH, OF CHICAGO, ILLINOIS.

## METALLIC PACKING.

SPECIFICATION forming part of Letters Patent No. 729,001, dated May 26, 1903.

Application filed August 28, 1901. Serial No. 73,559. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT D. SMITH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Metallic Packing, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention has reference to improvements in metallic packing for piston-rods and the like, and has for its principal object a provision of means whereby to efficiently and economically lubricate such packing, so as to prevent undue wear of the packing and the rod operating within the same, and, furthermore, to the provision of means whereby two overlapping packing-rings are provided with lubricating-recesses, whereby lubricants of a permanent or hard character may be stored for lubricating effectively the entire surface of the rod passing through the packing.

The above as well as such other objects as may hereinafter appear I attain by means of a construction which I have illustrated in preferred form in the accompanying drawings, in which—

Figure 1 is a side view showing a plurality of packing-rings assembled together to be placed around a rod. Fig. 2 shows a sectional view through Fig. 1 on the line 2 2 of Fig. 1. Fig. 3 is a view of one of the ring-sections with some recesses for packing arranged in the shape of round holes set in staggered relation to each other. Fig. 4 is a ring having an elongated single lubricating-recess, and Fig. 5 is a ring-section having a plurality of recesses of still another disposition or arrangement.

Referring now more particularly to Fig. 2, it will be seen that in each of the ring-sections I have provided a plurality of packing-recesses 6, which in the ring-sections 7 and 8 extend sufficiently far toward the end of each so that they overlap, the same as do the ring-sections themselves.

In Fig. 3 the lubricating-recesses 6 are shown as round in shape. In Fig. 4 the lubricating-recess 6 is a single elongated slot, and in Fig. 5 the recesses 6 are arranged in different relation to each other from that shown in the other figures.

The recesses 6 are intended to be filled with some relatively hard or stable lubricating material which will serve for a long period of time to keep the rod passing through the packing well lubricated.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A metallic packing consisting of a plurality of overlapping ring-sections, and lubricating-recesses formed in said ring-sections, so disposed as to overlap each other, whereby to efficiently lubricate the entire external surface of the piston-rod where it passes through the packing and fill the joints of the rings, substantially as described.

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

ROBERT D. SMITH.

In presence of—

PAUL SYNNESTVEDT,  
PAUL CARPENTER.