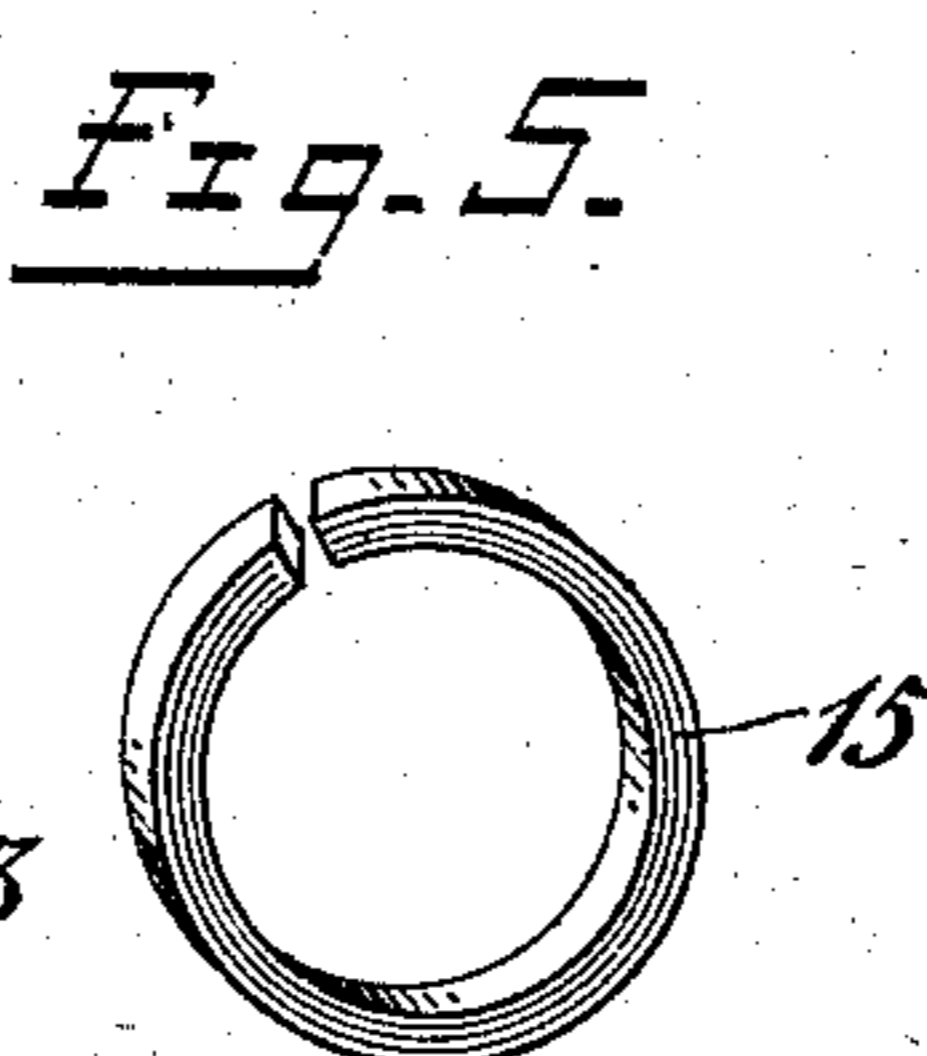
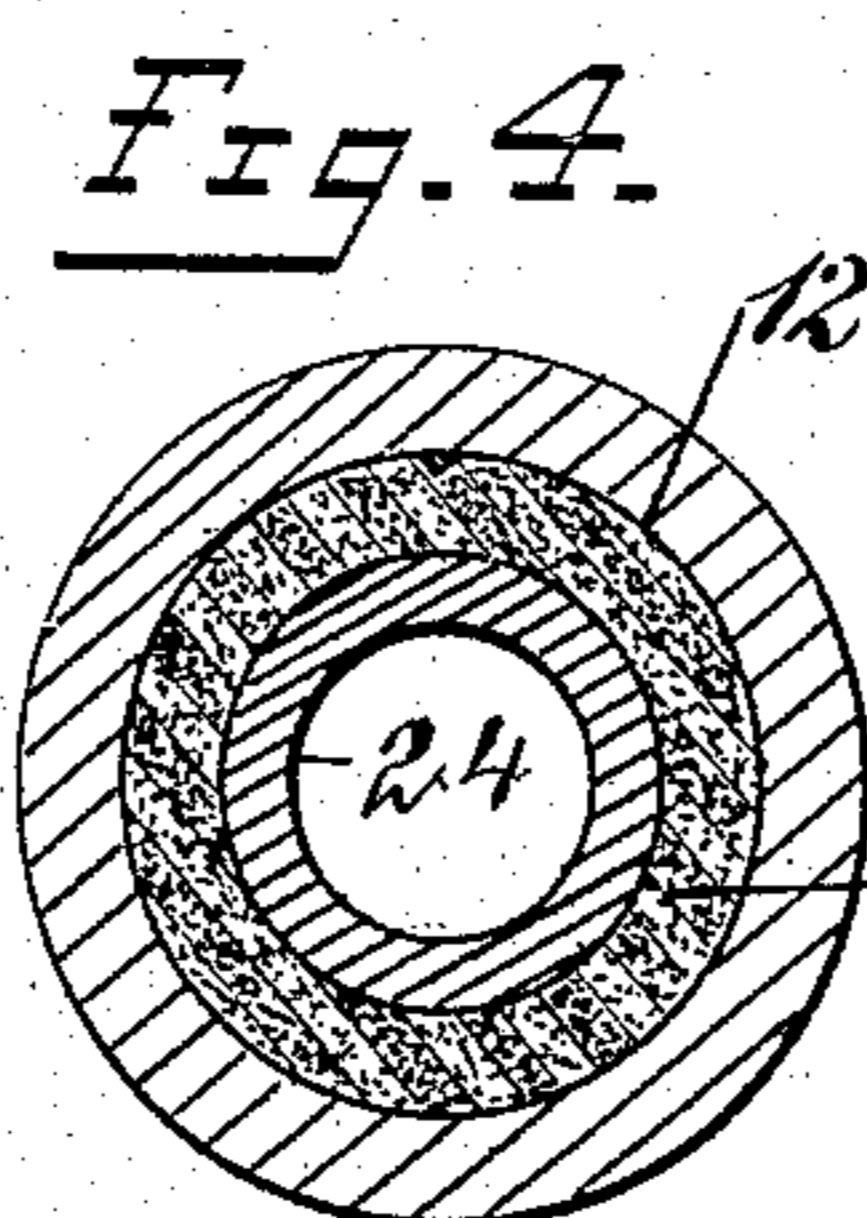
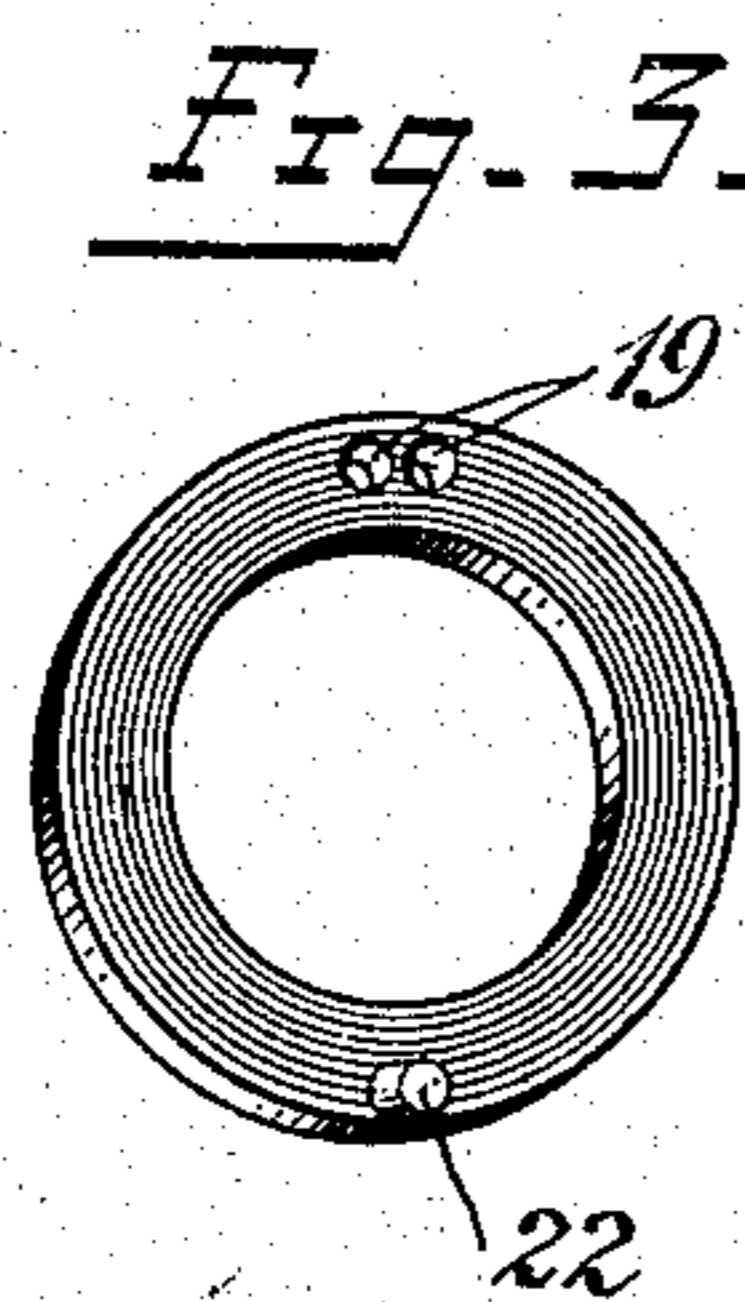
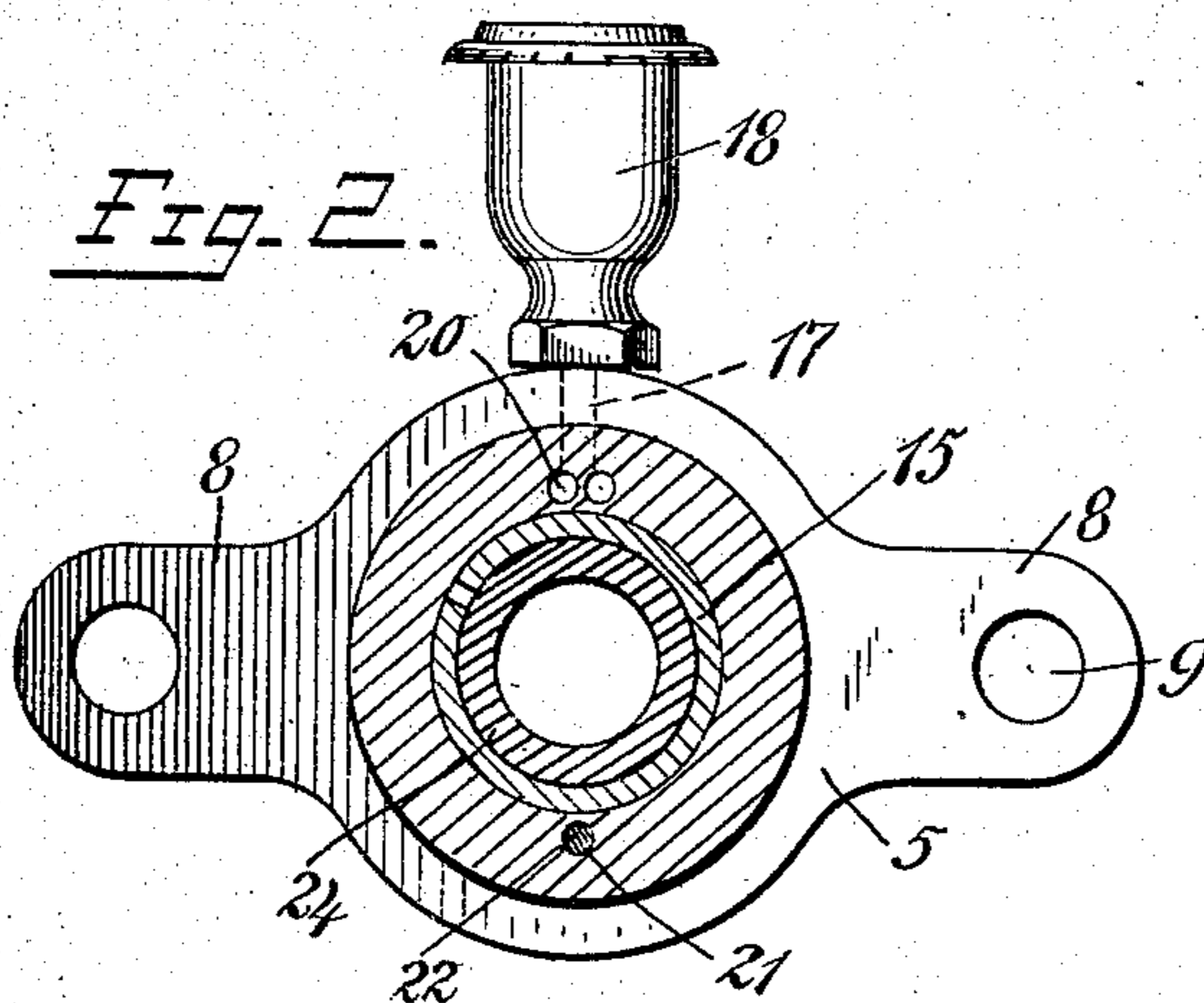
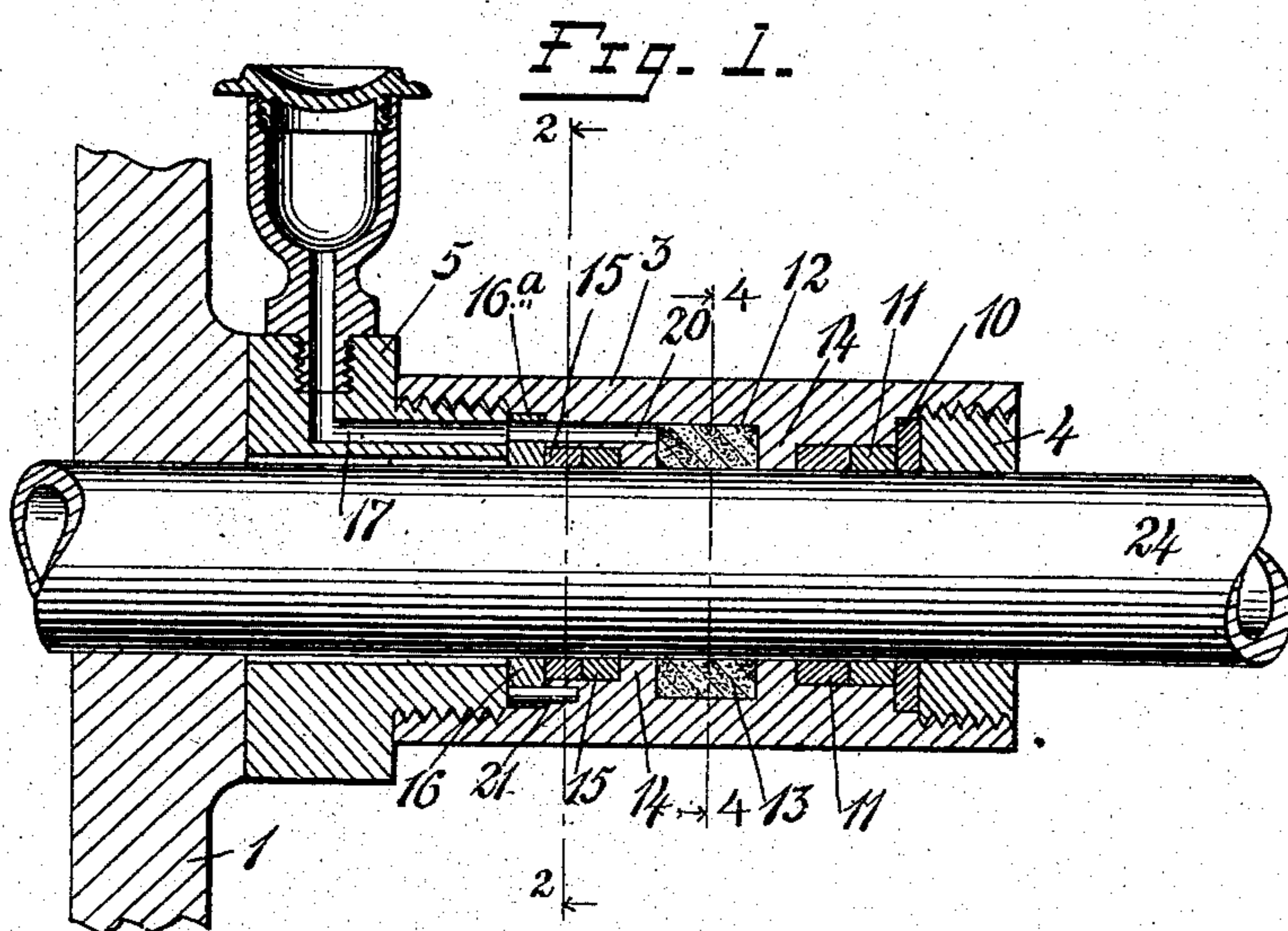


No. 840,291.

PATENTED JAN. 1, 1907.

M. BERECKY.
STUFFING BOX.

APPLICATION FILED AUG. 16, 1906.



WITNESSES
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UNITED STATES PATENT OFFICE.

MICHAEL BERECKY, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
JULIUS BAUMAN, OF NEW YORK, N. Y.

STUFFING-BOX.

No. 840,291.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed August 16, 1906. Serial No. 330,804.

To all whom it may concern:

Be it known that I, MICHAEL BERECKY, a subject of the Emperor of Austria-Hungary, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Stuffing-Box, of which the following is a full, clear, and exact description.

This invention relates to stuffing-boxes such as are used for packing pistons, tail-rods, and similar moving parts.

The object of the invention is to produce a stuffing-box of simple construction which will present a metallic packing and absorbent or vegetable packing and in which special provision is made for conducting the lubricating fluid to the vegetable packing.

The invention consists in the construction and combination of parts to be more fully described hereinafter, and particularly set forth in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal central section through a stuffing-box constructed according to my invention. Fig. 2 is a cross-section on the line 2 2 of Fig. 1. Fig. 3 is a perspective of a follower-ring for the metallic packing. Fig. 4 is a cross-section on the line 4 4 of Fig. 1, and Fig. 5 is a perspective of a split ring which constitutes a part of the metallic packing.

Referring more particularly to the parts, 1 represents a portion of a cylinder-head or similar machine part, to which the stuffing-box 2 is attached. The stuffing-box comprises a tubular body 3, the outer end whereof is closed by a screw-plug 4. The inner end of the tubular body 3 is closed by a head 5, which makes threaded engagement therewith internally, as shown. This head is provided with oppositely-projecting ears 8, having bolt-openings 9, which enable the stuffing-box to be attached in position, as will be readily understood.

Against the plug 4 within the stuffing-box a washer 10 is seated, and against this washer a pair of split rings 11 are received. Beyond these split rings there is provided an annular chamber 12, which is adapted to receive an absorbent or vegetable packing 13. This

chamber is formed between inwardly-projecting annular shoulders 14. Beyond the vegetable packing I provide metallic packing having the form of two split rings 15, and these parts are held in position by the follower-ring 16, which is received in an enlarged chamber 16^a. Against the outer face of this ring 16 the inner extremity of the main plug or head 5 seats, as shown, so that when this plug is in position the packing-rings 15 and the vegetable packing are all held in position.

In the upper side of the head 5 an oil-duct 17 is provided, the body of which extends longitudinally in the plug, as shown in Fig. 1, so as to conduct the oil from an oil-cup 18, seated on the head 5. This duct 17 leads to the outer face of the follower-ring 16, and the oil is carried through this follower-ring by means of a pair of openings 19, which are formed in the ring in the manner illustrated in Fig. 3. Similar openings or ducts 20 are formed in the wall of the stuffing-box longitudinally by drilling in from the chamber 14^a, as indicated in Fig. 4, and these openings 20 aline with the openings 19, as will be readily understood. In this way the oil is conducted to the annular chamber 12, where it is absorbed by the packing 13. In one side of the chamber 16^a I provide a drilled opening 21, which is adapted to receive a dowel-pin 22, carried by the inner face of the follower-ring 16. The object in employing this dowel 22 is to enable the machinist to place the follower-ring in proper alinement if the same should have been removed, so that a continuous duct for the oil will always be maintained from the cup 18. One of the split rings is illustrated in Fig. 5. These rings are substantially similar to the rings 11; but the rings 11 are somewhat longer, as shown.

Through the stuffing-box a piston or tail rod 24 may pass, as shown, and evidently the stuffing-box will operate as an efficient guide for this rod, while the absorbent packing will be constantly supplied with the lubricant. On each side of this vegetable packing are the metallic packing-rings 11 and 15, which tend to prevent an excessive amount of oil from passing out of the stuffing-box.

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

1. A stuffing-box having a chamber formed

therein adapted to receive an absorbent packing, metallic split packing-rings carried on each side of said chamber, said stuffing-box having a duct adapted to lead a lubricant to said chamber, means for feeding a lubricant to said duct, and an absorbent packing in said chamber, said split rings operating to assist in retaining said lubricant.

2. A stuffing-box having a chamber formed therein receiving a vegetable packing, metallic packing-rings beyond said chamber, a keeper for said packing-rings having an opening therethrough to conduct a lubricant, said stuffing-box having a duct in the wall thereof communicating with said opening and leading the lubricant into said chamber.

3. A stuffing-box having a chamber receiv-

ing a vegetable packing, metallic packing-rings therebeyond, a follower-ring retaining said packing-rings and having an opening to pass oil, said stuffing-box having a duct in the wall thereof alining with said opening and leading oil to said chamber, said follower-ring having a projection, and said stuffing-box having an opening receiving said projection, to aline said opening with said duct.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MICHAEL BERECKY.

Witnesses:

ADOLPH DEUTSCH,
MAX WEINBERGER.