

No. 752,907.

PATENTED FEB. 23, 1904.

P. C. KELLY.

TAPPET FOR THE SHAFTS OF ORE STAMP MILLS, &c.

APPLICATION FILED OCT. 16, 1903.

NO MODEL.

Fig. 1.

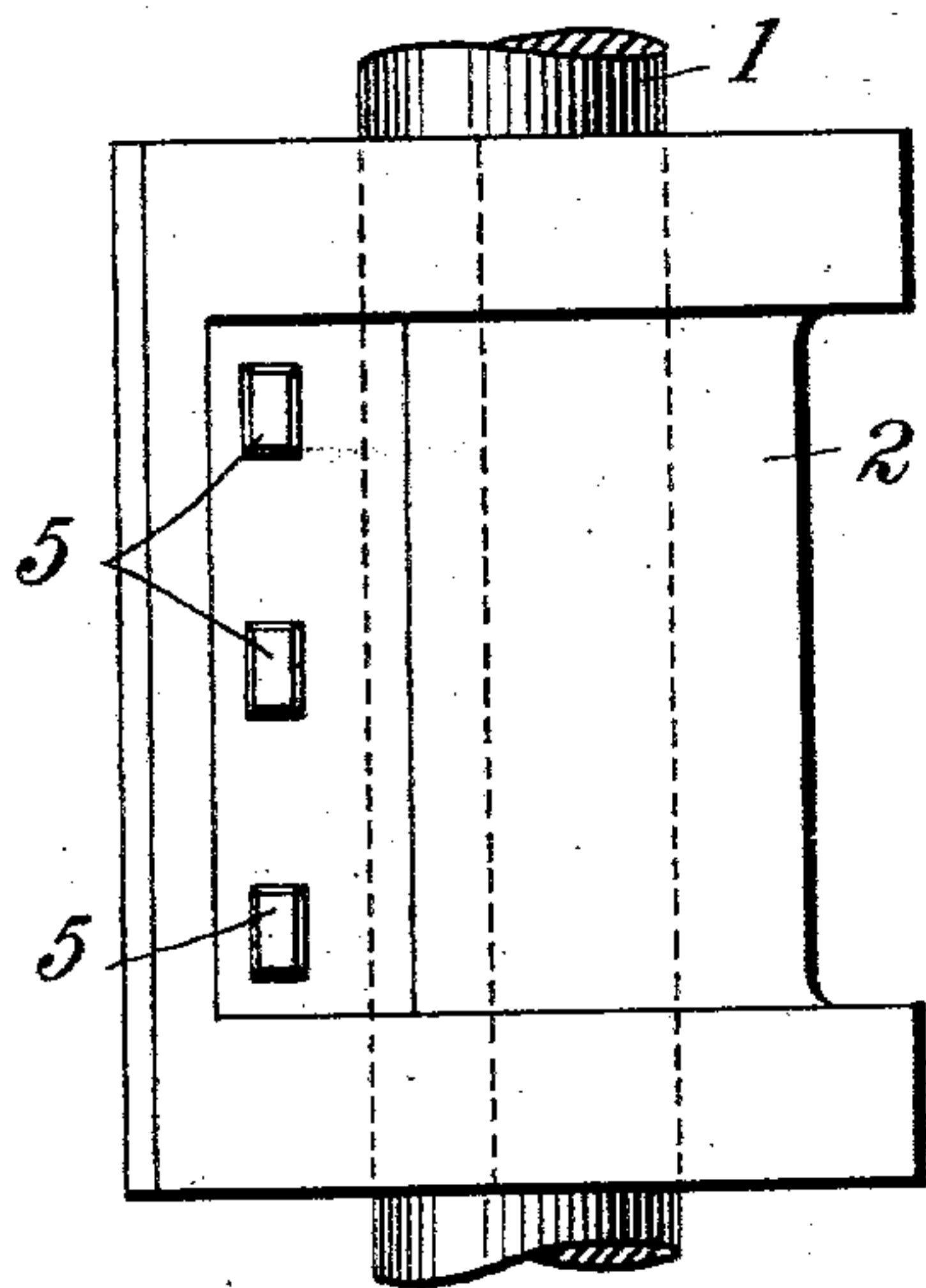


Fig. 3.

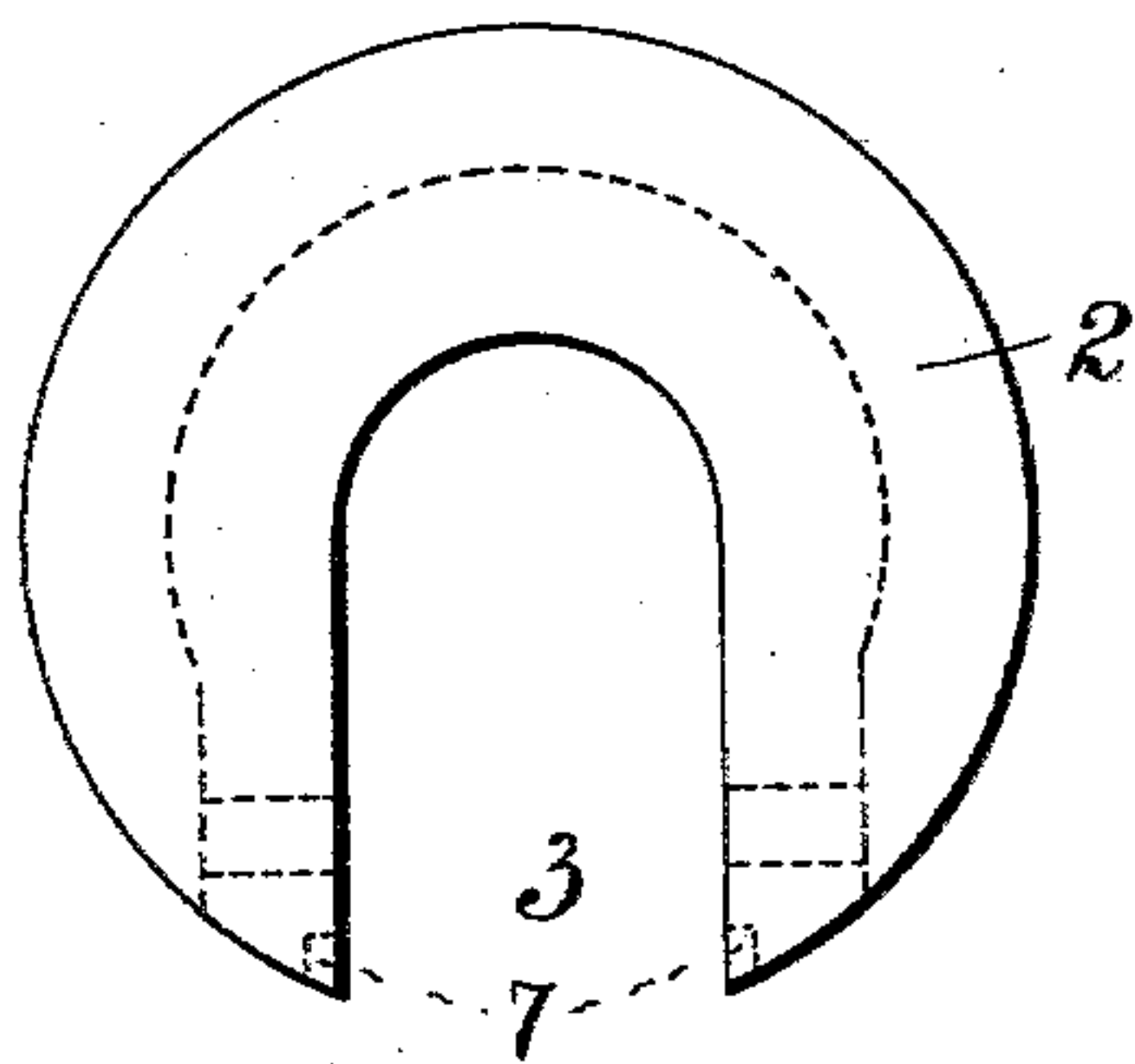


Fig. 4.

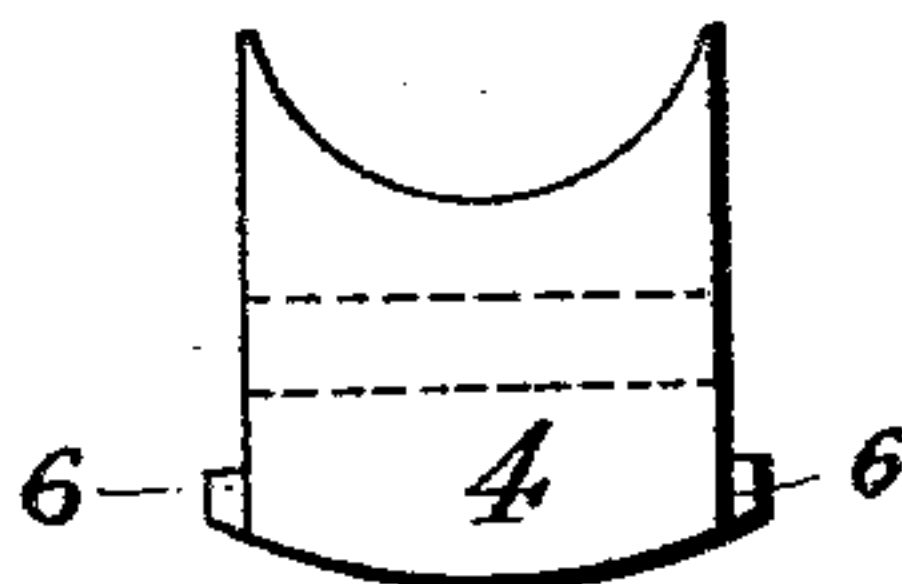


Fig. 2.

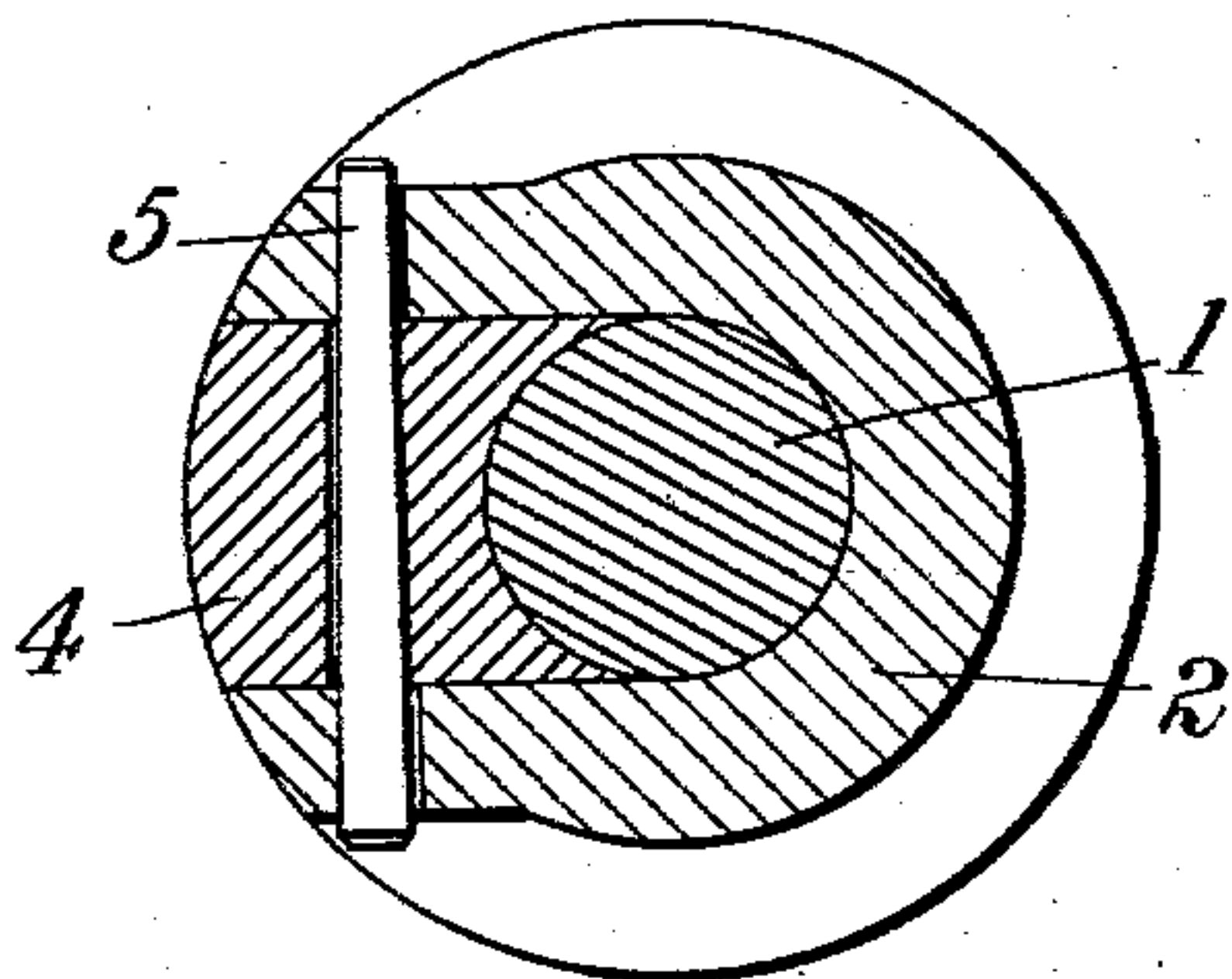
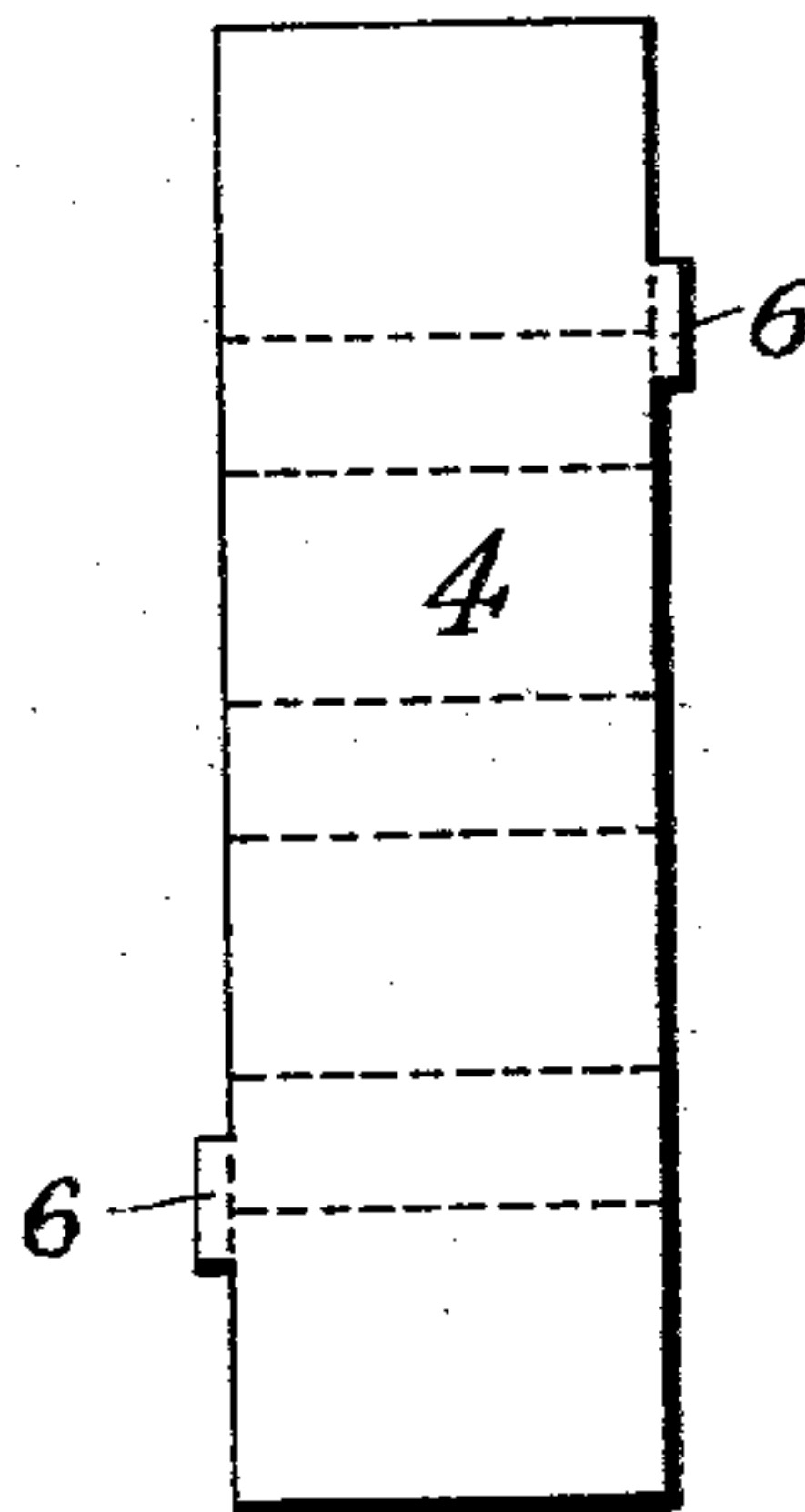


Fig. 5.



WITNESSES.

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UNITED STATES PATENT OFFICE.

PHILIP COLVILLE KELLY, OF SANDYCROFT, ENGLAND, ASSIGNOR TO
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TAPPET FOR THE SHAFTS OF ORE STAMP-MILLS, &c.

SPECIFICATION forming part of Letters Patent No. 752,907, dated February 23, 1904.

Application filed October 16, 1903. Serial No. 177,253. (No model.)

To all whom it may concern:

Be it known that I, PHILIP COLVILLE KELLY, assistant works-manager of The Sandycroft Foundry Company, Limited, a subject of His Majesty the King of Great Britain, residing at Sandycroft, England, have invented certain new and useful Improvements in Tappets for the Shafts of Ore Stamp-Mills and the Like, of which the following is a specification.

10 This invention relates to tappets for the shafts or stems of ore stamp-mills and the like, the object being to provide a tappet which can be fixed to the stem and be removed therefrom without interfering with any other portion of
15 the mill or in the case of a shaft without removing such shaft.

According to this invention the tappets, which are usually in the form of a cylindrical sleeve, are formed in two sections—one, the
20 larger, being formed with a longitudinal gap at least equal to the diameter of the stem or shaft to which it is to be applied, the other or smaller section being formed to fit in and fill the gap in the larger section, the parts being
25 drawn together and to the shaft or stem by cotters or pins.

In the accompanying drawings, Figure 1 is an elevation of a tappet as applied to the stem of a stamp-mill. Fig. 2 is a sectional plan
30 view of same. Fig. 3 is a plan view of the larger section of the tappet; Fig. 4, a like view of the smaller section, and Fig. 5 an elevation of Fig. 4.

In said drawings, 1 represents the stem or
35 shaft, 2 the larger section of the tappet provided with the gap 3, while 4 represents the smaller section adapted to fit in gap 3 and to be held therein and to the stem 1 by means of the cotters or pins 5. The smaller section
40 may have lugs 6 6 projecting from same and adapted to seat in recesses 7 7 in the larger section, so as to hold the parts in position for driving the cotters through their respective holes in the two sections. It will be
45 seen that the smaller section, which is one solid piece, is forced against the shaft by the

cotters, the action of which also draws the larger section onto said shaft, so that the smaller section not only forms the gate or opening for introducing the shaft into the
50 tappet, but also provides the locking device for securing said tappet thereto, no other devices, such as loose gibs driven up by cotters, being required, so that one part is made to do double duty, with the additional advantage that
55 a larger area of grip is obtained from it than from the usual gib or like part. The larger section comprises also only one solid piece, the size of its gap being sufficient, as stated, to allow of the introduction and removal of the
60 shaft.

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

1. A tappet formed of two sections, the
65 larger having a longitudinal gap at least equal to the diameter of the shaft to which it is to be secured and the smaller section forming the gate being of a size to fit said gap and having a surface shaped to fit the shaft and means
70 carried by said gate-section for forcing and holding it directly against the shaft.

2. A tappet formed of two solid sections, the larger having a longitudinal gap at least
75 equal to the diameter of the shaft to which it is to be secured, and a surface shaped to partly embrace said shaft and which shaft can be introduced and withdrawn through said opening, the smaller section being of a size to fit
80 in said gap and having a surface shaped to fit all over that part of the shaft it touches, both of said sections having holes corresponding with each other, and a cotter adapted to seat in said holes and to draw the two sections together so as to grip the shaft between same.
85

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

PHILIP COLVILLE KELLY.

Witnesses:

W. J. SULIS,

WM. C. PIERCE.