

No. 886,129.

PATENTED APR. 28, 1908.

C. L. JACKSON & E. N. LOY.

PRISON BAR.

APPLICATION FILED AUG. 13, 1907.

FIG. 1

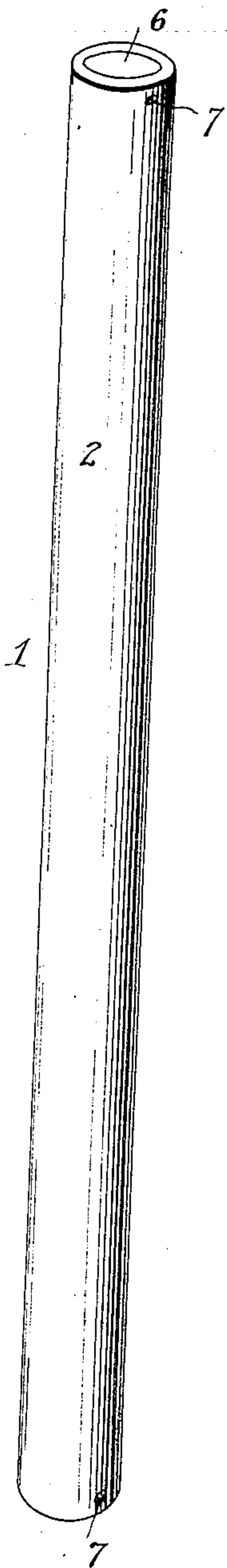


FIG. 2

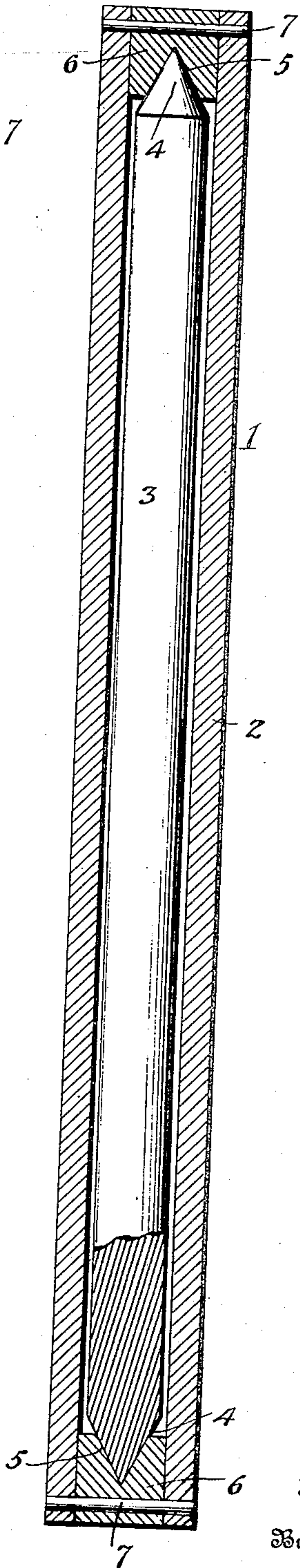


FIG. 3

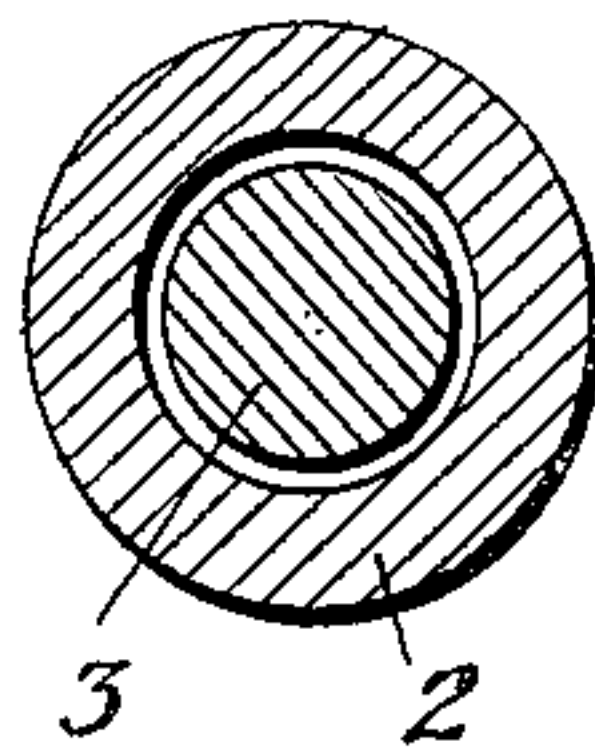


FIG. 4

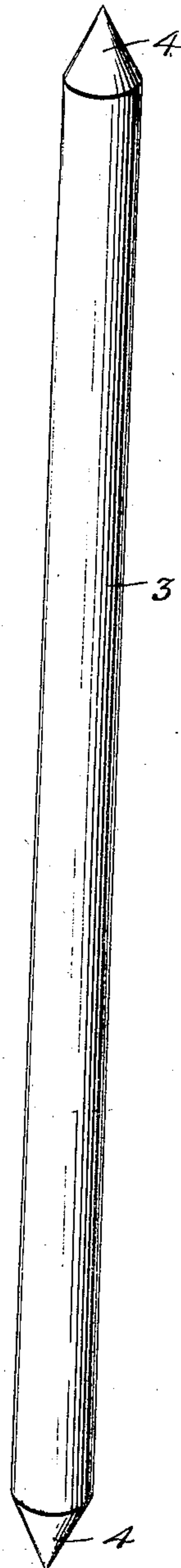
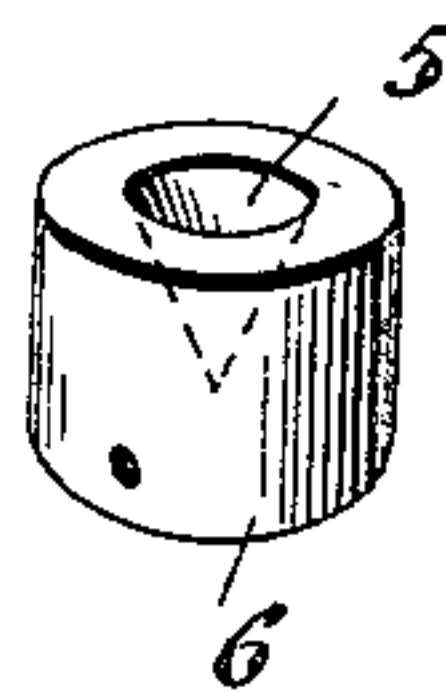


FIG. 5



Witnesses
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UNITED STATES PATENT OFFICE.

CLARENCE L. JACKSON, OF SANDUSKY, AND EDWARD N. LOY, OF TIPPECANOE CITY, OHIO.

PRISON-BAR.

No. 886,129.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed August 13, 1907. Serial No. 388,365.

To all whom it may concern:

Be it known that we, CLARENCE L. JACKSON and EDWARD N. LOY, citizens of the United States, the residence of the said CLARENCE L. JACKSON being in the city of Sandusky, county of Erie, State of Ohio, and the residence of said EDWARD N. LOY being in the city of Tippecanoe City, county of Miami, and State of Ohio, have invented certain new and useful Improvements in Prison-Bars, of which the following is a specification, reference being had to the accompanying drawings.

Our invention relates to improvements in bars for use in the windows and doors of prisons, penitentiaries and the like.

The object of the invention is to provide a prison bar of this character which cannot be sawed, filed or otherwise severed by the inmates of a prison so as to permit of their escape.

With the above and other objects in view the invention consists in the novel construction and the combination and arrangement of parts hereinafter described and claimed and illustrated in the accompanying drawings, in which

Figure 1 is a perspective view of one of our improved prison bars; Fig. 2 is a longitudinal sectional view; Fig. 3 is a transverse section; Fig. 4 is a perspective view of the rotary rod or roller and Fig. 5 is a similar view of one of the bearings.

In the drawing 1 denotes one of our improved prison bars which comprises an outer casing 2 and an inner element 3 which is mounted for rotary movement. The casing 2 which is adapted to be suitably secured in the frame of a window, door or the like, may be of any suitable form and construction but we preferably make it in the form of a hollow cylinder or tube of hard metal such, for instance, as case hardened steel. The inner member or element 3 is preferably in the form of a cylindrical rod or roller having a diameter slightly less than the interior diameter of the casing or tube 2 and having its ends mounted in suitable bearings for free rotary movement. This rod or roller 3 is also preferably formed of hard metal such as case hardened steel and its outer surface is also preferably polished. While any suitable bearings may be provided for

the ends of the rod or roller to permit of the free rotation of the latter, we preferably form upon its ends tapered or cone-shaped pivots 4 which are adapted to engage and rotate in similar shaped sockets 5 formed in bearings 6. The latter are in the form of plugs or blocks which are inserted in the ends of the tube and secured therein by transverse pins or rivets 7 or in any other suitable manner.

In use a number of the bars 1 are arranged in parallel relation in the frame of a door, window or the like. Owing to the provision of the rotary member or element within the outer member or casing 2 of the bar it will be seen that even though said casing is sawed through it will be impossible to saw, file or otherwise cut or sever the rod or roller 3 since the latter would rotate and prevent the saw or file from obtaining any purchase upon it. It will be noted that the bar is simple in construction so that it may be produced at a small cost and that it is exceedingly strong and durable, and effective for the purpose intended.

Having thus described our invention what we claim is:

1. A prison bar comprising a tubular casing, bearing blocks or plugs arranged in said casing and formed with cone-shaped seats and a roller arranged within the casing and having its ends formed with cone-shaped pivots to engage said seats.

2. A prison bar comprising a tubular casing having a cylindrical bore, a cylindrical roller arranged within the casing and having its ends reduced to provide cone-shaped pivots, bearing blocks or plugs arranged in the bore of said casing and formed with seats to receive said pivots and transverse fastenings for retaining said blocks or plugs in said casing.

In testimony whereof we hereunto affix our signatures in the presence of two witnesses.

CLARENCE L. JACKSON.
EDWARD N. LOY.

Witnesses as to Clarence L. Jackson:

HARRY B. LA FAVRE,
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J. A. KERR.