

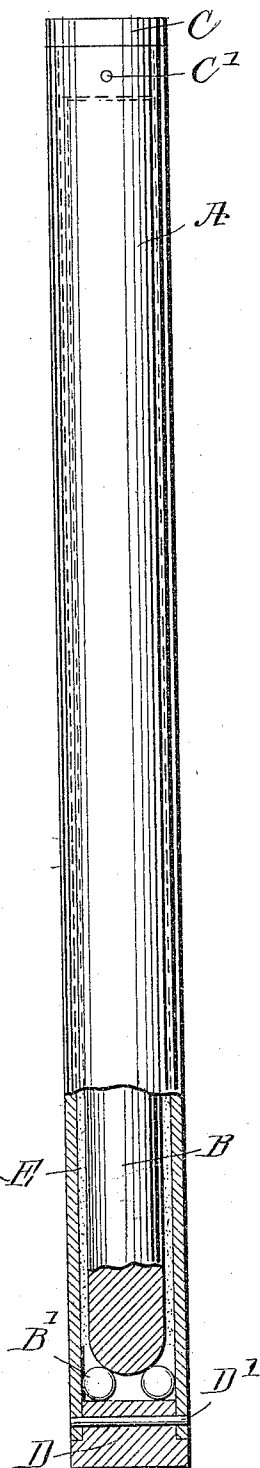
W. F. KLETT.

JAIL BAR.

APPLICATION FILED MAY 21, 1910.

971,900.

Patented Oct. 4, 1910.



*detonating
powder*

WITNESSES:

*Samuel E. Wade
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INVENTOR

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UNITED STATES PATENT OFFICE.

WILLIAM F. KLETT, OF MOBILE, ALABAMA.

JAIL-BAR.

971,900.

Specification of Letters Patent.

Patented Oct. 4, 1910.

Application filed May 21, 1910. Serial No. 562,712.

To all whom it may concern:

Be it known that I, WILLIAM F. KLETT, a citizen of the United States, and a resident of Mobile, in the county of Mobile and State of Alabama, have invented certain new and useful Improvements in Jail-Bars, of which the following is a specification.

This invention is an improvement in bars for use in jails and similar inclosures and has for an object to provide a novel construction by which an alarm will be sounded in event of any one attempting to saw through the bars; and the invention consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawing the figure is a side elevation, partly in section, of a jail bar embodying my invention.

The invention seeks to provide a non-sawable jail bar and the bar as shown comprises an outer section or casing A which is in the form of a tube which may be of iron, steel, brass, bronze, copper or other metal forged, rolled or cast of any suitable dimension for the purpose for which it is designed and within this shell or casing is placed a rod B as shown. This rod is entirely inclosed within its casing and the latter may be closed at one end by the plug C held by the cross pin C' and the lower end of the casing may be closed by the plug D held to the casing by the cross pin D' as shown.

At its lower end the rod B is shown rounded, supported on balls B' which form an anti-friction bearing for the lower end of the said rod. Some detonating powder or chemical E which may be chlorate of potash and sulfur or a similar composition of chlorate of potash is arranged between the rod

and casing and adapted to produce an alarm when the rod is turned relatively to the casing. This detonating powder or chemical is adapted to operate as an automatic alarm when exploded by the friction of the rod as it is turned within the casing, such friction causing an explosion as is well understood by those skilled in the art.

If, in operation, a cut be made through the casing tube or shell by a saw, file or other cutting instrument, such instrument when coming in contact with the inner rotatable rod will cause the latter to turn, thus preventing the instrument from cutting the rod and also causing the explosion and alarm as before described.

Manifestly the bars instead of being disposed vertically may be arranged horizontally without departing from the invention, and the invention will operate as a safeguard both from within and without in preventing the cutting of jail bars or bars for other structures for which an iron, steel or other metal grating may be used or intended as a protection for any building to which such devices may be properly fitted, such for instance, as jail doors, jail cells and windows, mausoleum gratings, transom and window gratings, bank fixtures and safety vault inclosures.

I claim:

A bar for jails and the like comprising a casing, a rod mounted to turn therein and explosive means between the rod and casing and adapted to produce an alarm when the rod is turned relatively to the casing.

WILLIAM F. KLETT.

Witnesses:

JOHN T. GORMON,
JAMES S. VINE.