R. HABEKOST.

WHIP SOCKET.

APPLICATION FILED APR. 16, 1908.

939,246.

Patented Nov. 9, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

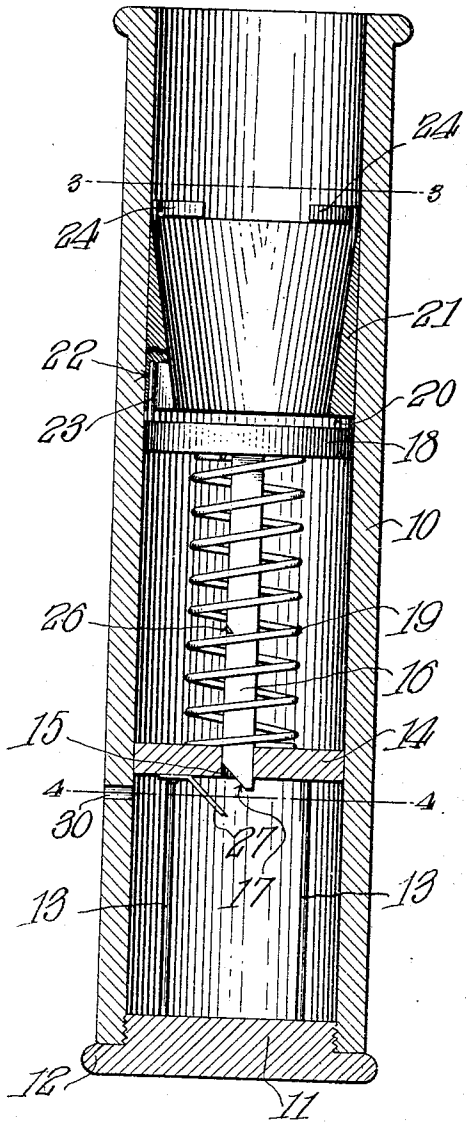
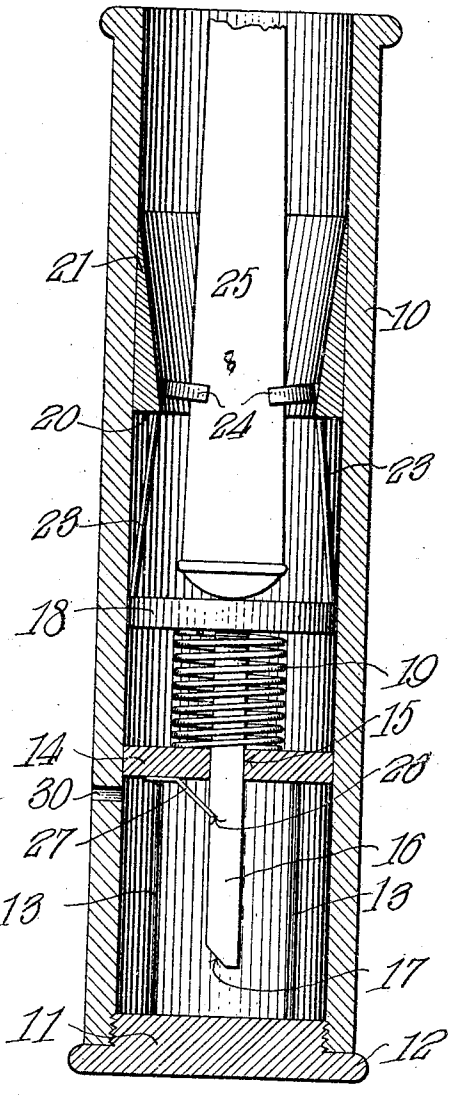


Fig. 2.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

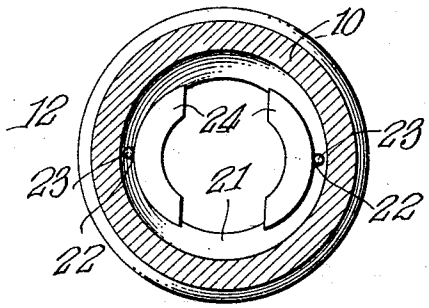
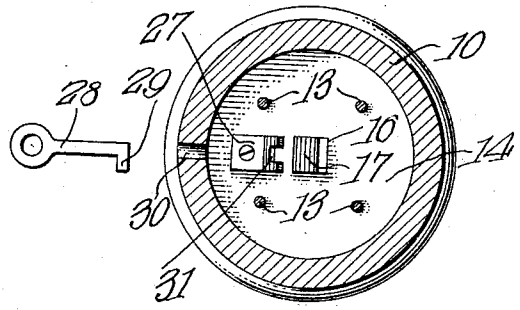


Fig. 4.



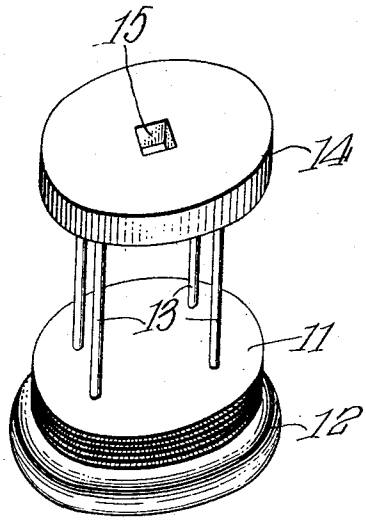


Fig. 5.

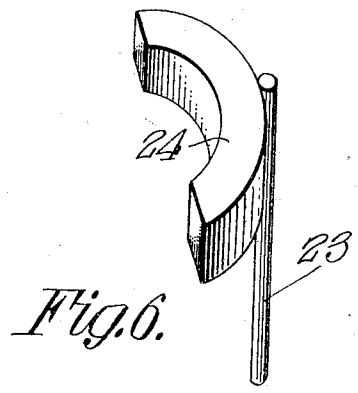


Fig. 6.

Witnesses

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UNITED STATES PATENT OFFICE.

RUDOLPH HABEKOST, OF SQUIRREL, IDAHO.

WHIP-SOCKET.

939,246. Specification of Letters Patent. **Patented Nov. 9, 1909.**

Application filed April 16, 1908. Serial No. 427,415.

To all whom it may concern:

Be it known that I, RUDOLPH HABEKOST, a citizen of the United States, residing at Squirrel, in the county of Fremont, State of Idaho, have invented certain new and useful Improvements in Whip-Sockets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to whip sockets and more particularly to that class which are so constructed as to lock the whip against removal therefrom and in carrying out my invention I have in view the simplification of such devices, the object being to lessen their cost.

One of the novel features of my invention resides in the provision of a novel form of whip gripping member which is more positive in action than are most of such members now in use.

Broadly stated, the invention comprises the usual casing, a stem which is mounted to slide vertically within the casing and through an opening formed axially in a disk fixed within the casing, and whip gripping members which are connected to the stem and are to be forced into engagement with the handle of a whip received in the casing when the stem is moved downwardly, there being springs arranged upon the stem to normally force it to raised position and a spring latch fixed upon the under side of the disk through which the stem passes, and engageable in a notch formed in the stem to hold the same in lowered position.

In the accompanying drawings, Figure 1 is a vertical sectional view through a whip socket constructed in accordance with my invention showing the parts in normal or unlocked position, Fig. 2 is a similar view but showing the parts in locked position and a whip handle within the socket and gripped by the whip gripping members of the socket, Fig. 3 is a horizontal sectional view on the line 3—3 of Fig. 1, Fig. 4 is a similar view on the line 4—4 of Fig. 1 but looking upwardly, Fig. 5 is a detail perspective view of the removable bottom for the socket, the disk and spacing members carried thereby, and, Fig. 6 is a detail perspective view of one of the whip handle gripping members.

As shown in the drawings, the whip socket embodying my invention comprises a casing which is indicated by the numeral 10 and which is in the form of the usual socket except that it is provided with a removable bottom which will be presently more fully described.

The bottom mentioned above is indicated by the numeral 11 and includes a threaded portion which is screwed into the lower end of the casing 10 and a flange 12 which abuts against the said lower end of the casing. Secured upon the bottom in any suitable manner and projecting vertically from the upper face thereof are spacing members 13 and at their upper ends these members support a disk 14, which is circular in form, the said members projecting, as stated, vertically and along the wall of the said casing. The disk 14 is formed axially with a rectangular opening 15 and passed through this opening is a squared stem 16 the lower end of which is beveled as at 17 for a purpose which will be presently made apparent.

From the foregoing description, it will be understood that the disk 14 is rigidly and fixedly supported within the casing and that by reason of the fact that the stem 16 is squared and the opening 15 through which it passes is rectangular and of practically the same dimensions, the stem can have no turning movement but is enabled to slide vertically.

At its upper end, the stem 16 mentioned above supports a disk which is indicated by the numeral 18 and disposed upon the stem and extending between this disk 18 and the disk 14 is a spring 19, the tendency of which is to normally hold the disk 18 away from the disk 14 or in other words to hold the stem and the disk 18 in raised position, this upward movement of the stem being limited by the abutment of the disk 18 against the lower end or shoulder 20 of a boss 21 which is formed within the casing 10, the wall of the boss being decreased in thickness in an upward direction. As a matter of fact, the boss is in the form of an annular internal collar the opening or bore of which is tapered downwardly. The said boss 21 is formed at diametrically opposite points with grooves 22 and working in these grooves are the shanks 23 of the jaws or gripping members of the socket, said shanks being secured at their lower ends to the disk 18 at diametrically opposite points thereof, being of spring wire, and carrying at their upper ends jaws 24 which are substantially

semi-circular and which are designed to grip, by partly embracing, the handle 25 of a whip received in the socket, the engagement of the jaws with the handle being frictional in character. Owing to the fact that the bore of the annular collar or boss 22 is tapered downwardly or in other words in the direction of its lower end, downward movement of the stem 16 and the disk 18 carried thereby will result in the jaws 24 being forced inwardly toward each other, this downward movement of the stem and disk 18 being had by inserting the whip handle into the socket and pressing down upon the said handle, the lower end of the handle resting upon the disk 18.

In order that the stem may be held in lowered position when so moved and the jaws 24 in this manner held tightly in engagement with the whip handle 25, a notch 26 is formed in the said stem 16 at the proper point and a leaf spring latch 27 is fixed at its upper end to the under side of the disk 14 through which the stem 16 passes and is arranged to spring at its lower end into engagement in the notch 26 for the purpose stated. It is of course necessary that some means be provided for disengaging the spring latch 27 from the notch 26 when it is desired to release the whip and this means I have embodied in a key 28 having a hooked or shouldered end 29, the said key being insertible through a key opening 30 formed through the casing 10 and through a similar opening 31 formed in the leaf spring latch 37, the key, after such insertion, being pulled outwardly as if to withdraw it from the opening 30 and the leaf spring latch being in this manner disengaged from the notch, the hooked or shouldered end 29 of the key engaging with one edge of the opening in the said latch.

From the foregoing description of my invention, it will be seen that I have provided an exceedingly simple construction of whip socket of this class and one in which the parts may be readily assembled and disassembled so as to permit of their being replaced and also that a minimum number of parts are provided.

What is claimed, is:—

A whip socket comprising a casing, a stem slidable vertically within the casing, the casing being provided with a removable imperforate bottom, spacing elements projecting upwardly from the bottom and along the wall of the casing, a disk fixed on the upper end of the spacing elements, said disk being provided with a central aperture through which the stem passes, whip gripping members comprising each a shank which is connected at the upper end of the stem and an arcuate jaw which is formed to partly embrace the whip handle when received in the casing, means for holding the stem in lowered position, and means for guiding the shank and jaws of the gripping members comprising a cylinder having a frusto-conical opening therethrough provided in its walls with slots adapted to receive the shanks of the gripping members.

In testimony whereof, I affix my signature, in presence of two witnesses.

RUDOLPH HABEKOST.

Witnesses:
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VIOLA M. CAMPBELL.