G. KAISER.

WHIP HOLDER.

APPLICATION FILED JULY 1, 1910.

986,719.

Patented Mar. 14, 1911.

2 SHEETS—SHEET 1.

Fig. 1.

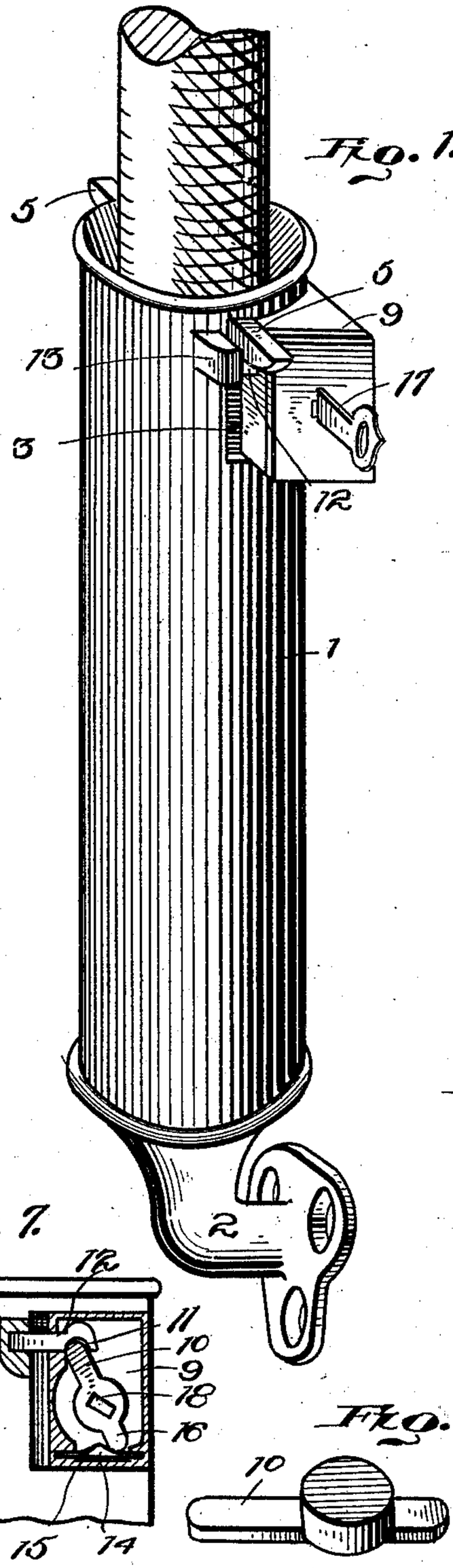


Fig. 4.

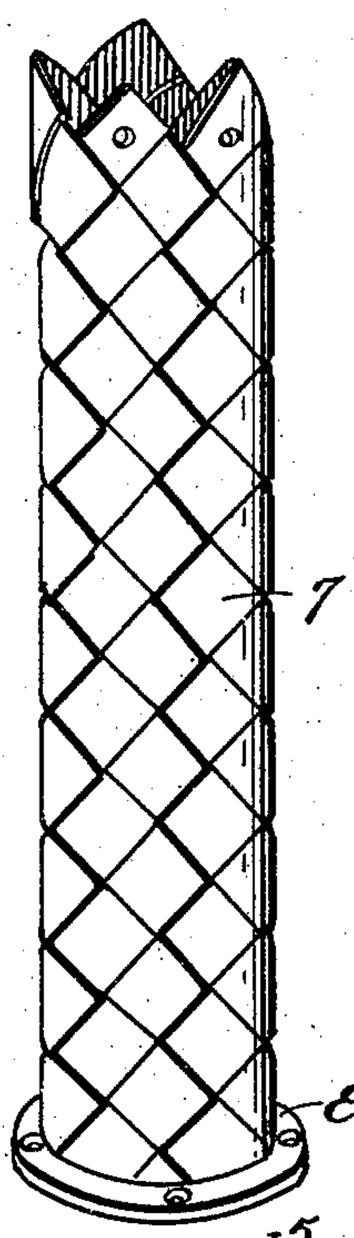


Fig. 10.

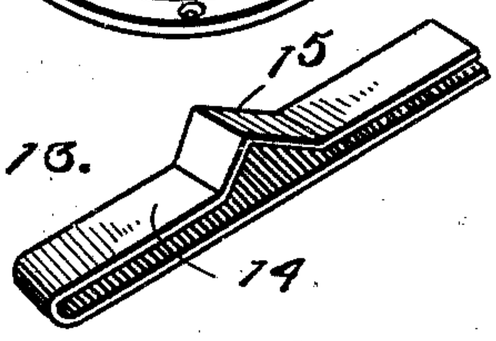
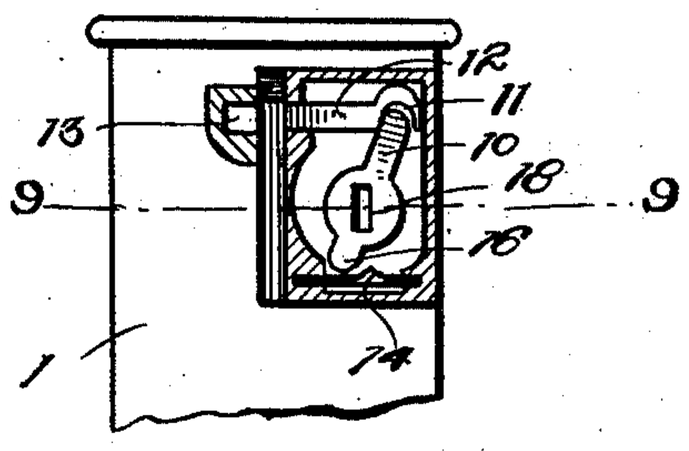


Fig. 7.

Fig. 12.

Fig. 8.



Witnesses

J. W. Miller

H. Joseph Doyle

Inventor

George Kaiser

By E. G. Siggers,

his Attorney.

G. KAISER.

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2 SHEETS—SHEET 2.

Fig. 2.

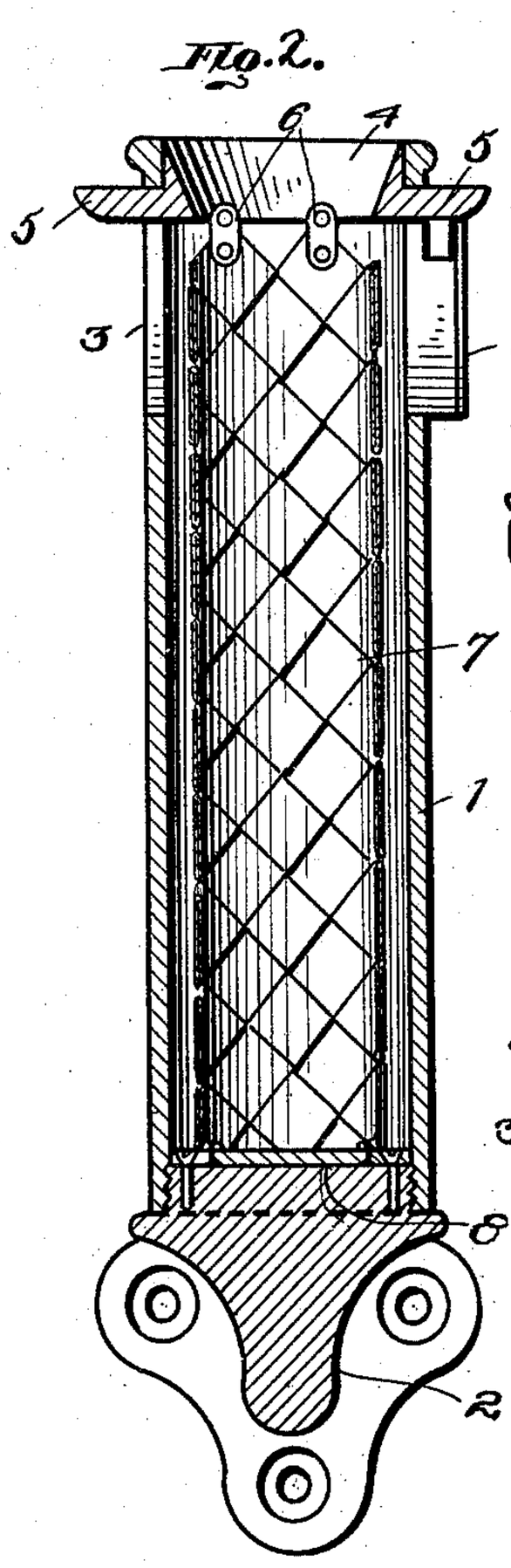


Fig. 6.

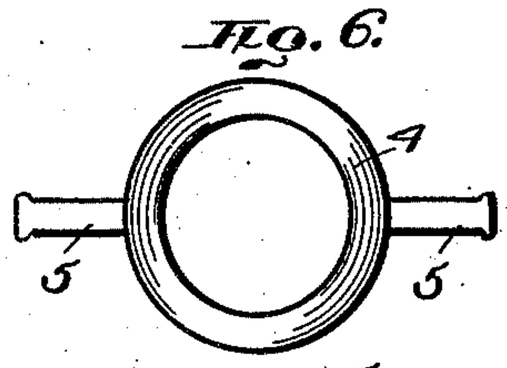


Fig. 5.

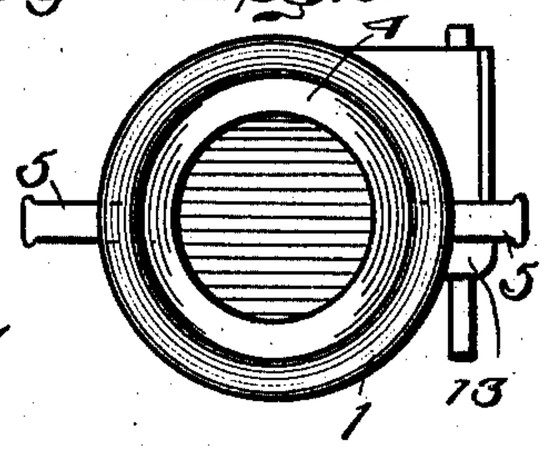


Fig. 9.

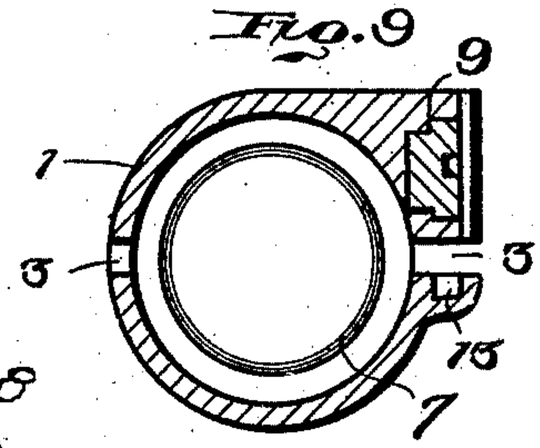


Fig. 10.

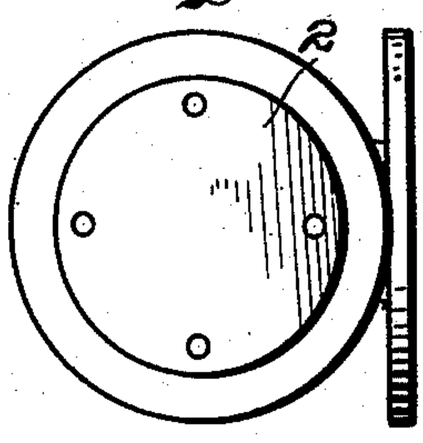
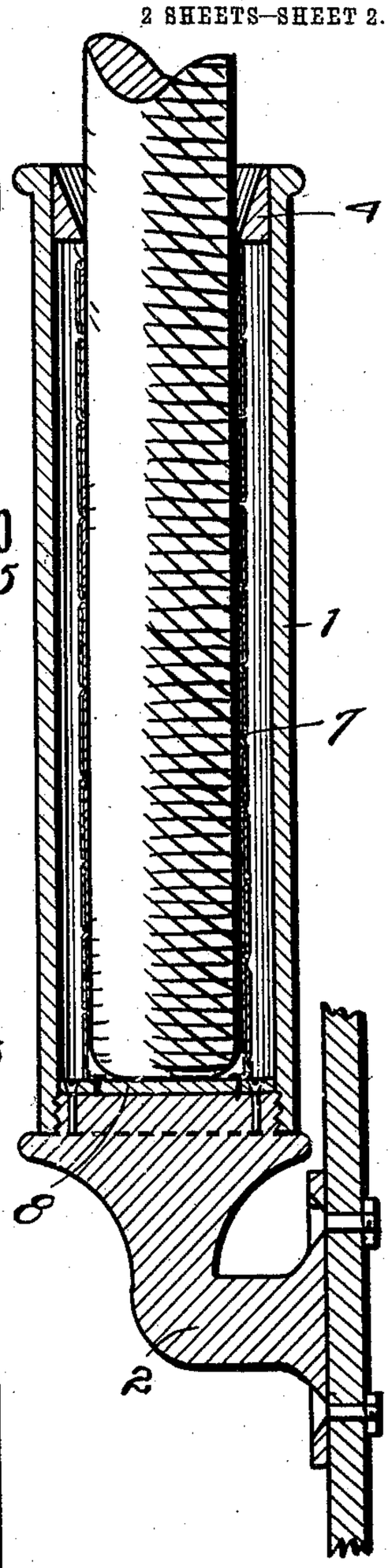


Fig. 11.

Fig. 3.



Witnesses

J. N. Wells

H. Jarrett Doyle

Inventor

George Kaiser.

By E. C. Crossman,

his Attorney

UNITED STATES PATENT OFFICE.

GEORGE KAISER, OF DETROIT, MICHIGAN.

WHIP-HOLDER.

986,719. Specification of Letters Patent. Patented Mar. 14, 1911.

Application filed July 1, 1910. Serial No. 569,999.

To all whom it may concern:

Be it known that I, GEORGE KAISER, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Whip-Holders, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to whip sockets, and the principal object of the same is to provide a whip socket with novel whip-clutching means which will normally prevent a whip being pulled or jolted from a socket and which may be locked into clutching engagement with a whip so that unauthorized removal of the whip is prevented.

In carrying out the objects of the invention generally stated above it will be understood, of course, that the essential features thereof are necessarily susceptible of changes in details and structural arrangements, one preferred and practical embodiment of which is shown in the accompanying drawings, wherein:—

Figure 1 is a perspective view of the improved whip socket. Fig. 2 is a vertical sectional view thereof the whip being removed. Fig. 3 is a similar view, viewed from a different angle, the whip being shown in the socket. Fig. 4 is a detail perspective view of the whip clutch. Fig. 5 is a top plan view of the whip socket. Fig. 6 is a similar view of the top ring of the clutch. Fig. 7 is a fragmentary view in elevation of the upper portion of the socket, the lock casing being shown in section, and the bolt shown in a clutch-locking position. Fig. 8 is a similar view, the bolt being shown in a clutch-releasing position. Fig. 9 is a transverse sectional view taken on the line 9—9, Fig. 8. Fig. 10 is a top plan view of the base of the whip socket. Fig. 11 is a view in side elevation of the top ring of the clutch. Fig. 12 is a detail perspective view of the tumbler of the lock. Fig. 13 is a similar view of a spring catch forming a part of the lock.

Referring to the accompanying drawings by numerals, it will be seen that the improved whip socket comprises a tubular body 1 the lower end of which is internally threaded for detachable engagement with the external threads formed on the upper end of an angular bracket 2 that is adapted to be bolted or otherwise rigidly attached to the dashboard of the vehicle. Said bracket 2 supports the tubular body in a vertical position, and the upper end of said body is provided with oppositely disposed longitudinal guide slots 3. A supporting ring 4 is slidably fitted within the upper end of the body 1, said ring provided with outstanding guide arms 5 which project through and are slidable in slots 3 of said body. Supporting ring 4 has link connections 6 with the upper end of a clutch cylinder 7 that is fitted within body 1, the base of said clutch cylinder being provided with a flange ring 8 that is bolted or otherwise rigidly but detachably fastened to the top of bracket 2.

Clutch cylinder 7 is formed of a plurality of thin flexible strips, preferably of steel which are loosely woven into cylindrical form, and so arranged that the cylinder can be expanded and contracted longitudinally, the longitudinal expansion of the cylinder reducing the diameter of the same, and the longitudinal contraction obviously increasing the diameter of the cylinder. As will be understood the upper portion of the cylinder is slidably connected to the top portion of body 1 and the base of the cylinder is rigidly connected to the top of bracket 2, this arrangement permitting cylinder 7 to be expanded longitudinally within the limits of the slots 3.

A lock casing 9 is carried by body 1 adjacent one side of one of the slots 3. Said casing is provided with a tumbler 10 one end of which engages a recess 11 formed in the locking bolt 12 that is slidably mounted in said casing and adapted to be projected through said casing by oscillating the tumbler 10 so that said bolt will project across the adjacent slot 3 beneath one of the arms 5 and enter a keeper 13 projected laterally from body 1. A spring 14 is mounted in the base of casing 9, said spring provided with a central protuberance 15 over which a lug 16 at the lower end of tumbler 10 "snaps" to retain the tumbler in a locked or unlocked position. The lock is operated by the key 17 that enters casing 9 through a key hole and engages the slot 18 in the tumbler.

When it is desired to place a whip in the socket, the locking bolt is released and the whip forced through the upper end of the socket which slides ring 4 downward and causes cylinder 7 to expand so that the whip

will freely enter said cylinder. After the whip has been forced into the cylinder 7 the same is expanded longitudinally to bring the arms 5 above the path of movement of locking bolt 12, after which locking bolt 12 is forced beneath said arm 5 and engaged with the keeper 13 thereby locking cylinder 7 into clutching engagement with the whip. To release the whip the bolt 12 is withdrawn and the cylinder 7 transversely expanded by depressing arms 5 which frees the whip.

It will be seen from the foregoing that this invention provides simple means whereby a whip can be firmly locked to a socket so that the same cannot be accidentally jolted therefrom, and also the locking means prevents the whip being stolen.

What I claim as my invention is:—

1. A whip clutch comprising a body, and a whip clutch therein formed of a plurality of thin flexible meshed strips loosely woven into cylindrical form.

2. A whip socket comprising a body provided with guide slots, a ring slidable in said body and provided with arms that are slidable in said slots, a flexible clutch having its upper end connected to said ring and its lower end rigidly connected to the base of said body, and means carried by said body and engaging one of said arms to lock the clutch in a whip-holding position.

3. A whip socket comprising a tubular body, a support therefor, said body provided with upper guide slots, a ring slidable in said body, and having arms extending through said slots, a flexible clutch in said body having its base rigidly fastened to said support, links for connecting the upper end of said clutch to said ring, and locking means carried by said body for engaging one of said arms.

4. A whip socket comprising a support, a tubular body carried thereby, a whip clutch formed of a plurality of flat strips loosely woven into cylindrical form, means for attaching the base of said clutch to said support, and means for slidably connecting the upper end of said clutch to said body.

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

GEORGE KAISER.

Witnesses:

HENRY N. BREVOORT,

PAUL T. EBELING.