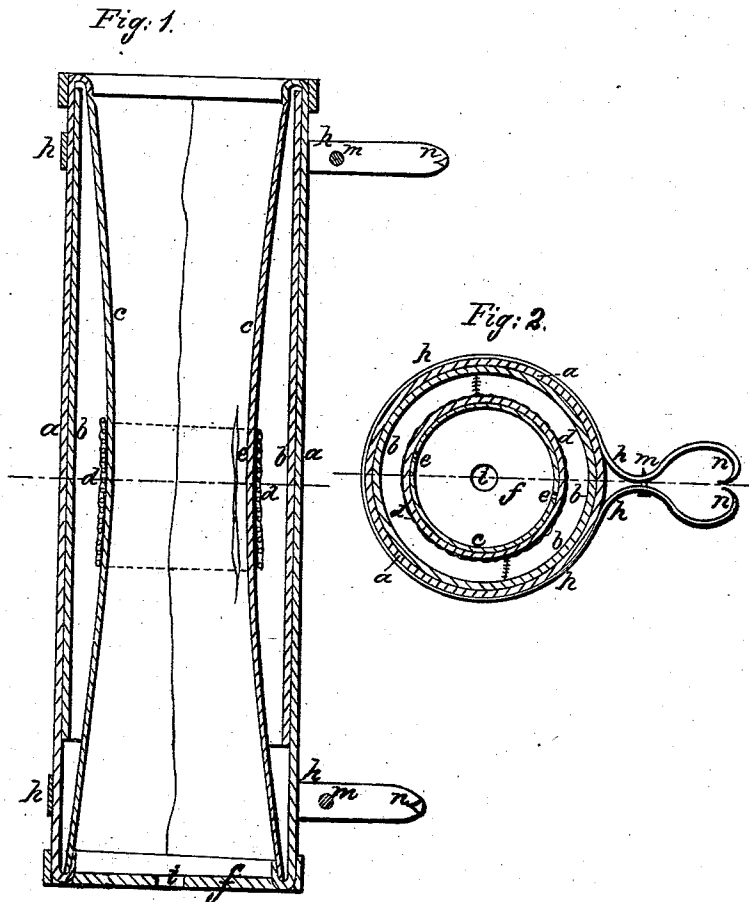


G. P. COLE.
Whip Socket.

No. 86,507.

Patented Feb. 2, 1869.



Witnesses.

Cornelius Cop.
Leopold Overb

Inventor.

Geo. P. Cole
per Alexander Mason

United States Patent Office.

GEORGE P. COLE, OF HUDSON, MICHIGAN.

Letters Patent No. 86,507, dated February 2, 1869.

IMPROVEMENT IN WHIP-SOCKETS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE P. COLE, of Hudson, in the county of Lenawee, and in the State of Michigan, have invented certain new and useful Improvements in Whip-Sockets; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction of a whip-socket, which will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a vertical side section; and

Figure 2 is a cross-section.

a represents the outside socket, made of leather, or other suitable material, which may be plain, or ornamented in any manner desired.

Inside of this socket is placed a metal cylinder, *b*, to strengthen the outside socket and keep it in proper shape.

Inside of the metal cylinder *b* is placed a leather cylinder, *c*, which is tapering towards the centre; that is, the centre of the leather cylinder is narrow, and widening towards the ends, as shown in fig. 1.

Around the narrow centre of the leather cylinder *c* is placed a band, *d*, of rubber-cloth, or other suitable yielding substance, and the leather cylinder is cut with one or more slots, *e*, under the band *d*, so as to allow it to open when the whip is inserted into the socket.

It will be seen that, as the end of the whip-handle

passes down through the leather cylinder *c*, the narrow portion in the centre will yield, and allow the whip-handle to pass downward, and the spring-band *d* will press the centre of the cylinder against the handle, holding the whip firmly in the socket.

The upper and lower edges of the outside socket, *a*, are turned inward over the edges of the leather cylinder *c*, and the edges afterwards finished off in any manner desired, the lower end being provided with a bottom, *f*, with a hole, *i*, through its centre, to allow any water that may enter the socket to pass out again.

The socket, thus constructed, is secured to the dash-board by means of two open rings, *h h*, the ends of which are curved, as shown in fig. 2.

These bands are placed around the socket, and tightened by means of screws, *m m*, the curved ends *n n* securing it to the dash-board.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

In combination with the outside socket *a* and metal cylinder *b*, the tapering cylinder *c*, and spring-band *d*, when said cylinder is made narrow in the centre and widening gradually and equally towards both ends, the narrow portion being longitudinally slotted, and surrounded by the spring-band, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 26th day of November, 1868.

GEORGE P. COLE.

Witnesses:

L. R. PEIRSON,
P. SHUMWAY.