

K. H. THOMPSON.  
WATER PLUG.  
APPLICATION FILED DEC. 5, 1911.

1,019,558.

Patented Mar. 5, 1912.

2 SHEETS—SHEET 1.

Fig. 1.

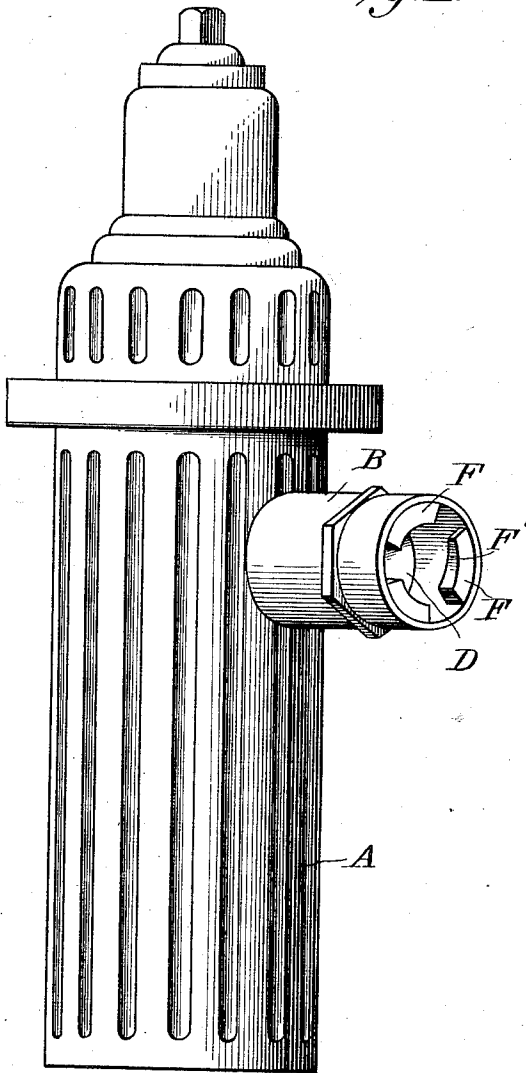
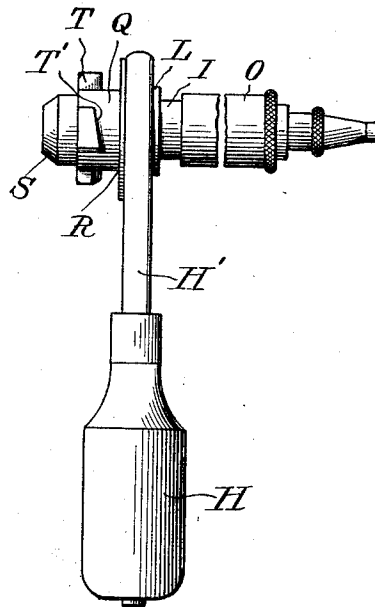


Fig. 2.



WITNESSES

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2 SHEETS—SHEET 2.

Fig. 3.

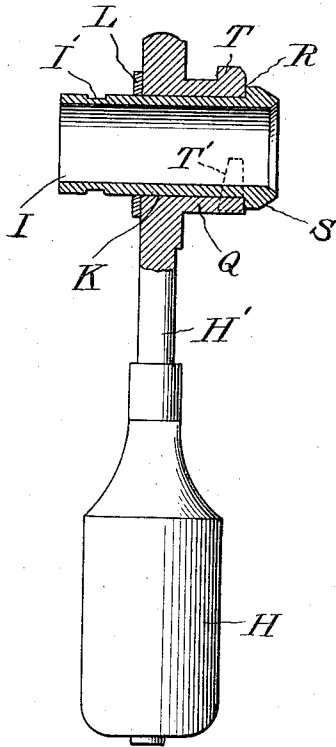


Fig. 4.

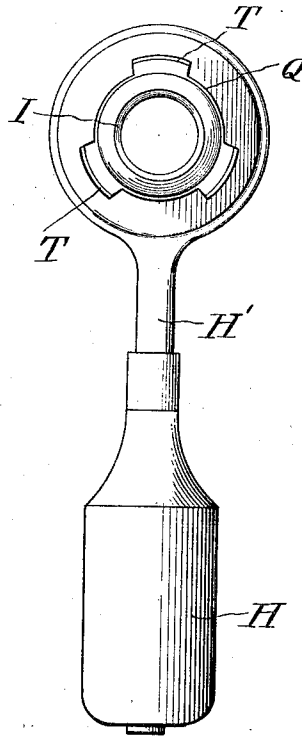


Fig. 5.

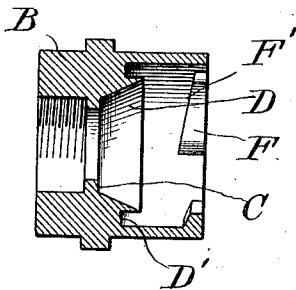
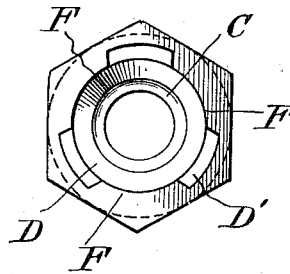


Fig. 6.



WITNESSES

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# UNITED STATES PATENT OFFICE.

KNIGHT H. THOMPSON, OF SHELBY, OHIO, ASSIGNOR OF ONE-HALF TO H. T. MILLER,  
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## WATER-PLUG.

1,019,558.

Specification of Letters Patent.

Patented Mar. 5, 1912.

Application filed December 5, 1911. Serial No. 664,103.

*To all whom it may concern:*

Be it known that I, KNIGHT H. THOMPSON, a citizen of the United States, residing at Shelby, in the county of Richland and State of Ohio, have invented certain new and useful Improvements in Water-Plugs; 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in water plugs and hose connections, and consists of a simple and efficient device of this nature, so constructed that the connection between a hose and a hydrant plug may be readily and quickly made.

The invention comprises various details of construction, and combination and arrangement of parts to be hereinafter described, and then specifically defined in the appended claims.

My invention is illustrated in the accompanying drawings in which—

Figure 1 is a perspective view of a hydrant plug. Fig. 2 is a view in elevation of a hose and connection for engagement with a fire plug. Fig. 3 is a longitudinal sectional view through a swiveled connection and handle carrying the same. Fig. 4 is a face view of the connection shown in Fig. 3. Fig. 5 is an enlarged detail sectional view through the fire plug, and Fig. 6 is a face view of the detail shown in Fig. 5.

Reference now being had to the detail of the drawings by letter, A designates a hydrant, and B a plug fitted thereto in any suitable manner. Said plug has an inclined seat D, terminating at its inner end in a shoulder C about its central aperture, and about which seat is an annular groove D'.

Projecting from the inner surface of the chambered portion of the plug, are the projections F having cam edges F', one of which is shown in Fig. 5 of the drawings. A handle H is provided with a shank portion H', having a head Q which has a circular outlined opening K in which the cylindrical shell I is swiveled, said shell having a circumferential groove I' formed therein adjacent to one end of which a hose

O is adapted to be connected in any suitable manner. A collar designated by the letter L, projects from the circumference of the shell, and is adapted to bear against the face of said head to hold the shell from longitudinal movement in one direction, while a shoulder R formed near the other end of the shell, serves to limit its movement in the opposite direction. One end of the shell is provided with a beveled edge S which when the shell is inserted within the plug, is adapted to contact with the beveled or inclined seat D, to make a tight joint. Projecting from the circumference of said head Q, are the lugs T, the inner edges of which are inclined or cam shaped as shown at T', in dotted lines in Fig. 3 of the drawings, and which cam shaped edges are adapted to contact with the inclined edges F' on the projections F formed within the hydrant plug.

In operation the handle which is permanently fastened to the hose, may be gripped and the beveled end of the shell with the laterally projecting portion of the head, inserted in the fire plug, and the cams upon the shell and the outer circumference of the head, and thus projecting from the inner surface of the plug, being adapted to contact with one another, as a partial rotary movement is imparted to the head by swinging the handle in one direction, thus drawing the parts tightly together, and holding the beveled end of the shell tightly against its seat D, making a tight joint. A partial reverse movement of the shell by swinging the handle in the opposite direction will detach the parts and allow the same to be disconnected by the withdrawal of the shell from the fire plug, the cams upon the shell being brought opposite the spaces intermediate the cams projecting from the inner surface of the plug as will be understood.

When the shell with the hose attached thereto is disconnected from the plug, a cap may be placed over the plug for the purpose of preventing any foreign matter from entering same.

What I claim to be new, is:

1. A hose connection for fire plugs comprising a plug adapted for connection to the hydrant, and having a chambered portion with an inclined seat formed about the central opening therein, cams projecting from the wall of the chambered portion, a shell

for connection with the hose, a handle having a head, a circular outlined opening therein, in which said shell is swiveled, one end of the shell being adapted to contact  
5 with said inclined seat, cams upon the circumference of the head, adapted to cooperate with those projecting from the chamber to hold the parts locked together.

2. A hose connection for fire plugs comprising a plug, adapted for connection to  
10 the hydrant, and having a chambered portion with an inclined seat formed about the central opening therein, cams projecting from the wall of the chamber portion, a  
15 shell for connection with the hose, a handle having a head, a circular outlined opening therein, in which said shell is swiveled, one end of the shell being adapted to contact

with said inclined seat, cams upon the circumference of the head, adapted to cooperate with those projecting from the chamber, to hold the parts locked together, the circumference of said shell terminating in a shoulder adapted to contact with one face  
20 of the head to limit the longitudinal movement of the shell in one direction, and a collar projecting from the shell and in contact with the opposite end of the face of the head to limit the movement of the shell  
25 in the opposite direction.

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

KNIGHT H. THOMPSON.

Witnesses:

GEO. W. COBLE,  
W. N. BOGUE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."