(No Model.)

T. C. BOOTH.

COMPRESSION COCK.

No. 422,906. Patented Mar. 11, 1890.

Fig. 1.

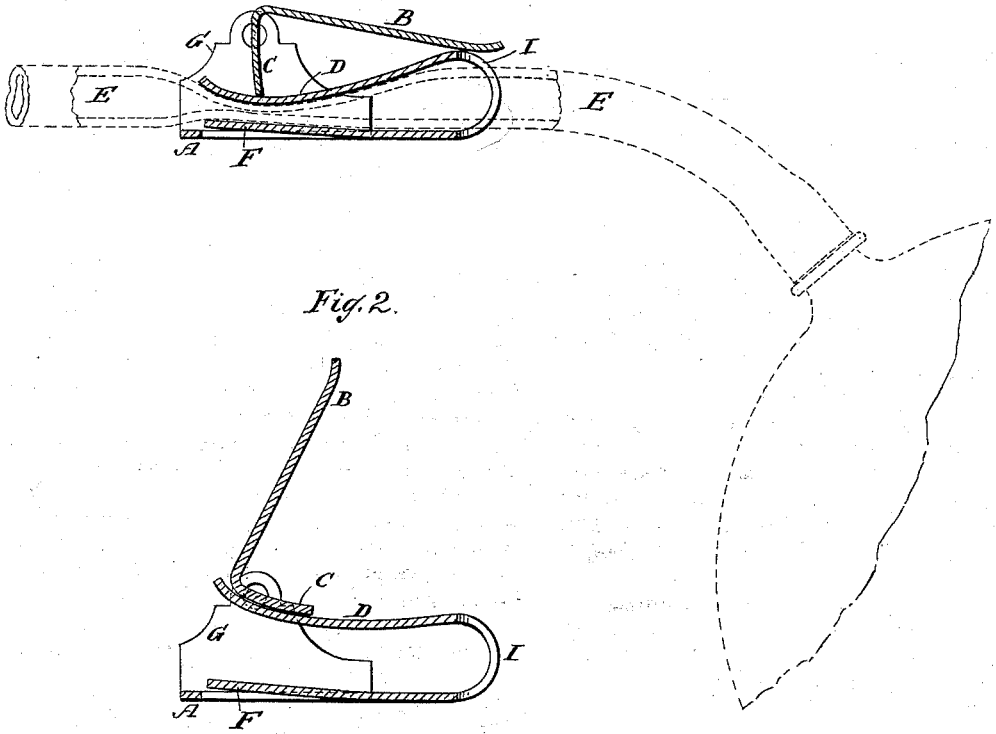


Fig. 2.

Fig. 3.

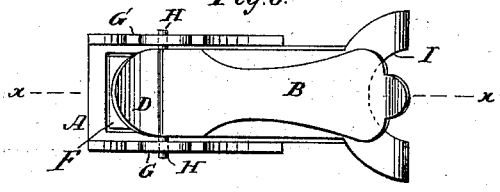
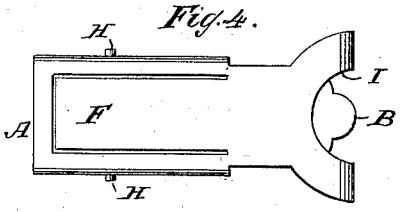


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS CHARLTON BOOTH, OF NEW YORK, N. Y.

COMPRESSION-COCK.

SPECIFICATION forming part of Letters Patent No. 422,906, dated March 11, 1890.

Application filed June 18, 1889. Serial No. 314,682. (No model.)

To all whom it may concern:

Be it known that I, THOMAS CHARLTON BOOTH, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Compression-Cocks, of which the following is a specification.

This invention relates to an improvement in compression-cocks adapted to close or compress flexible tubes; and the invention consists in the details of construction set forth in the following specification and claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a section of a cock along *x x*, Fig. 3. Fig. 2 is a view similar to Fig. 1 with parts in a different position than in Fig. 1. Fig. 3 is a plan view of the cock. Fig. 4 is an inverted plan view of Fig. 3.

Similar letters indicate corresponding parts.

In the drawings, the letter A indicates a base having a compression-lever B C. The base A carries a spring D, which is interposed between the lever B C and the object to be compressed, such as a flexible or rubber tube E. The spring D prevents the lever B C from chafing the tube E when said lever swings or moves. The base A has a spring or elastic support F, on which the tube E is made to rest. When the lever B C forces the spring D and tube F toward the base A, the spring F can yield more or less, according as the tube E is of greater or less thickness. The cock will thus serve for compressing tubes of different thicknesses and avoid the necessity of having a series of cocks, each one gaged for a tube of one size only.

When the parts are in the position shown in Fig. 1, the tube E is compressed or closed. When the parts are in the position shown in Fig. 2, the tube E can be removed from the cock. The base A, with the springs D F, as also the ears G, can be formed of one piece of metal. The ears G serve as bearings for the fulcrum H of lever B C. A cut or opening I in the spring D allows passage for the tube E when being inserted or withdrawn.

Heretofore a flexible conducting-tube has been provided with a cut-off made of a tubular piece of metal comprising a spring tongue-piece operated on by a cam-lever to compress the flexible tube; and such, therefore, I do not broadly claim.

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

1. A compression-cock consisting of a base A, having a spring or elastic support F for the object to be compressed, and a compression-lever, substantially as described.

2. A compression-cock consisting of a base A, having a spring or elastic support F for the object to be compressed, a compression-lever, and a spring D, interposed between the lever and the object to be compressed, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

THOMAS CHARLTON BOOTH.

Witnesses:
W. C. HAUFF,
E. F. KASTENHUBER.