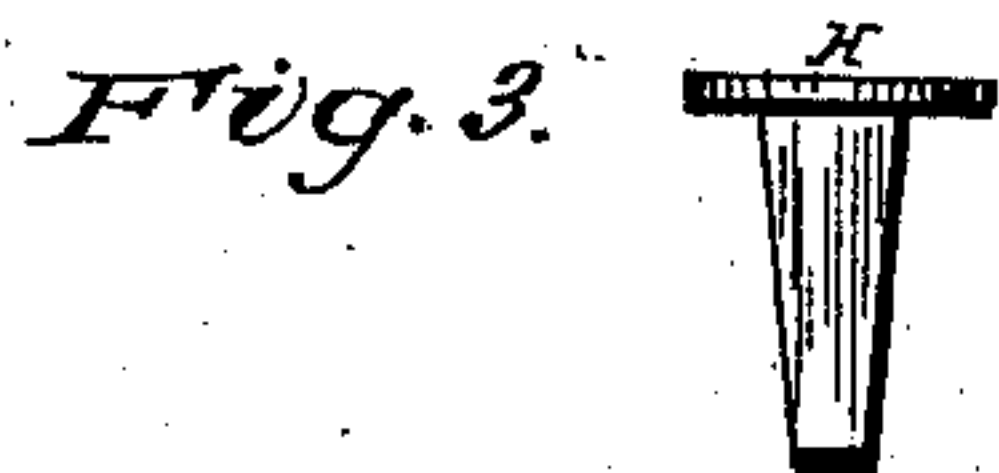
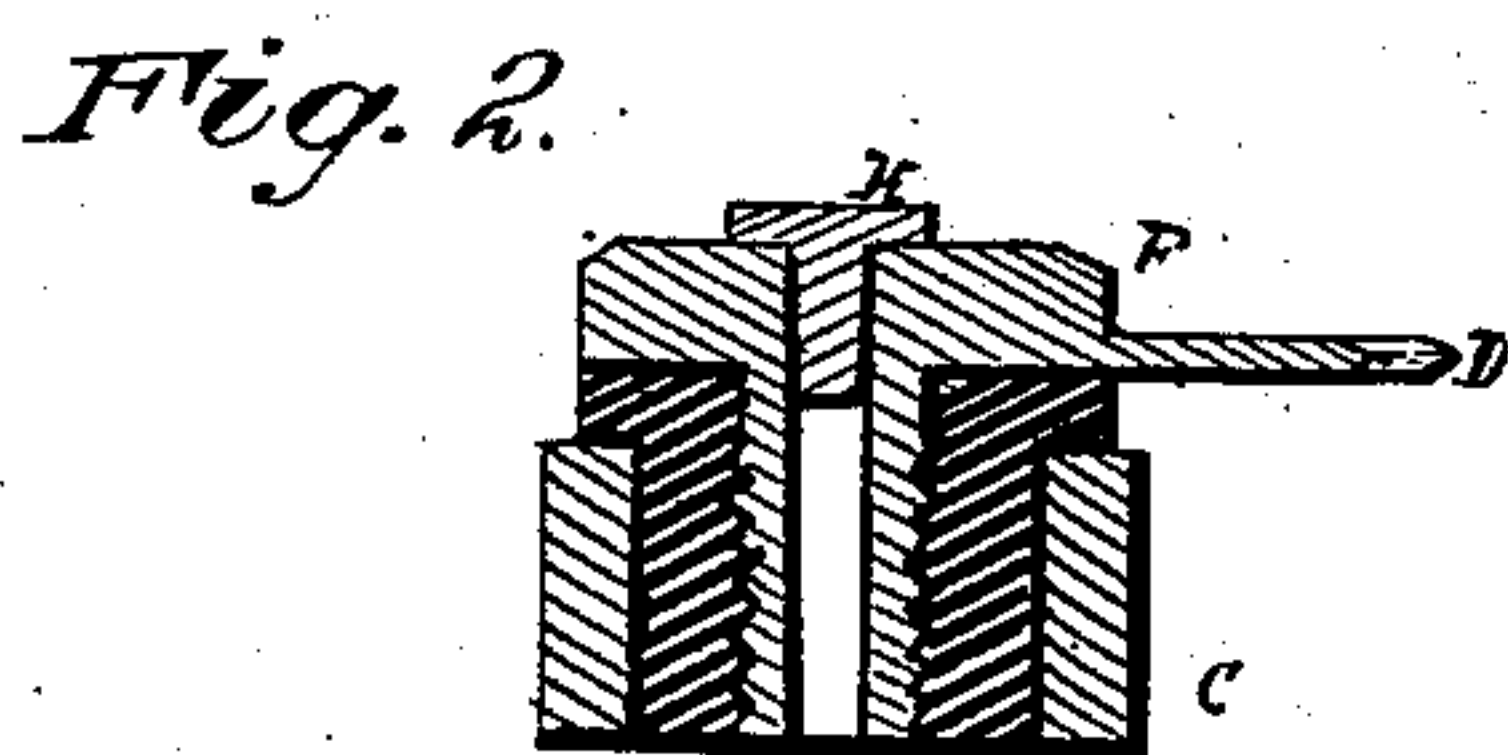
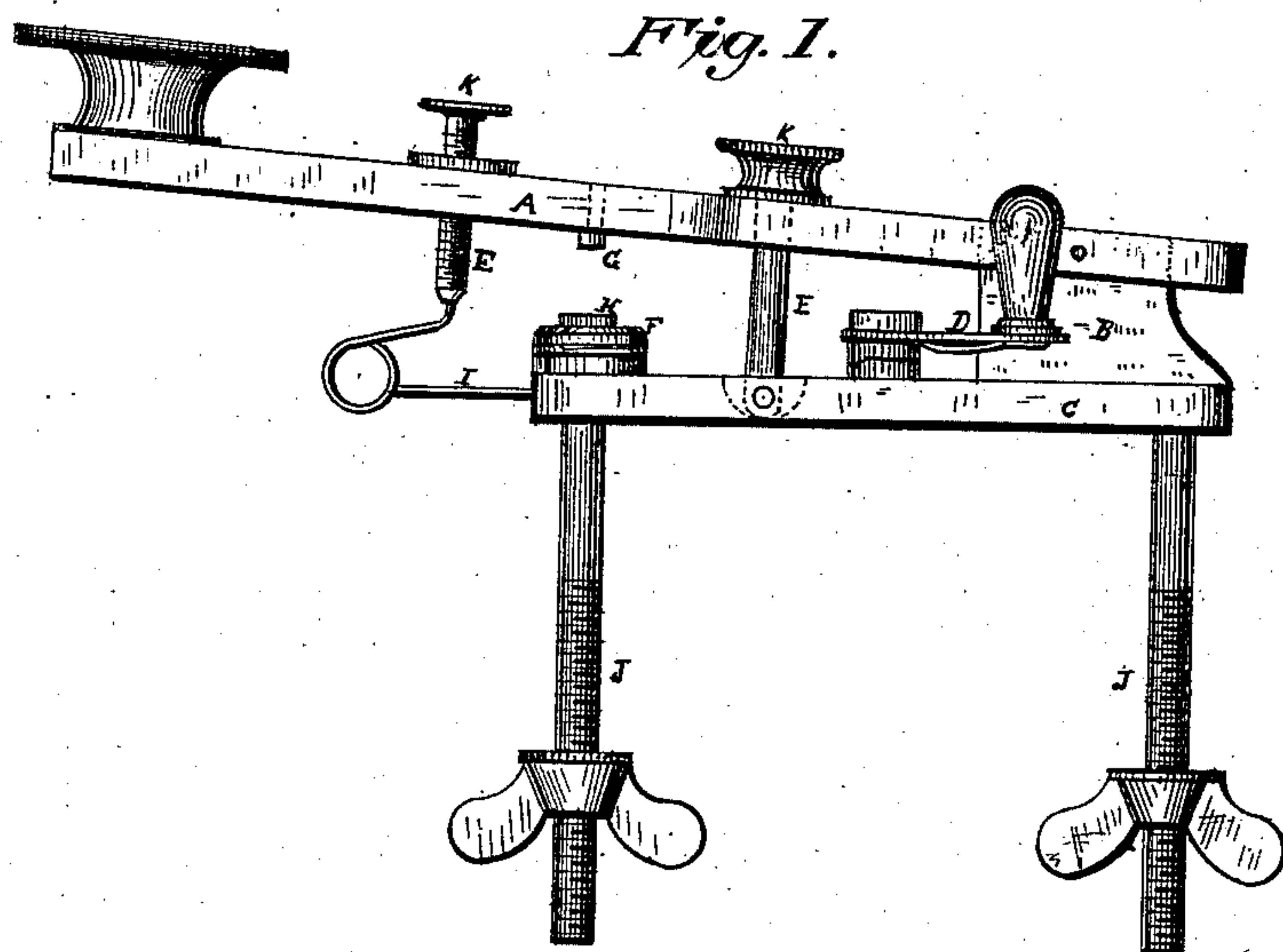


(Model.)

W. P. PHILLIPS.
Telegraph-Key.

No. 228,111.

Patented May 25, 1880.



WITNESSES

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WALTER P. PHILLIPS, OF WASHINGTON, DISTRICT OF COLUMBIA.

TELEGRAPH-KEY.

SPECIFICATION forming part of Letters Patent No. 228,111, dated May 25, 1880.

Application filed March 25, 1880. (Model.)

To all whom it may concern:

Be it known that I, WALTER P. PHILLIPS, a citizen of the United States, residing at Washington, in the county of Washington and District of Columbia, have invented certain new and useful Improvements in Telegraph-Keys; 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 letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to telegraph-instruments; and it consists of a key with a removable lower contact-point or anvil for breaking and closing electrical circuits by means of a lever having a point of steel or other metal, which is brought in contact, by means of a finger-knob, with the removable anvil or base-plate.

Figure 1 of the drawings submitted herewith gives a perspective view of the complete key. Fig. 2 gives a view of a vertical section of the base in which the removable anvil is inserted. Fig. 3 gives a perspective view of the removable anvil.

The key is made in two parts, A and C, connected at the back by a joint, B, and has a screw for the purpose of adjusting its up-and-down movement and a spiral spring, I, for the purpose of exerting a pressure against connecting the contact-points, thus making such connection, when made, firm and thorough. One of the points, G, is a steel screw without a head

screwed fast in the top lever, A. The other is a removable pivot or anvil, H, fitting into a receptacle in a nut, F, driven into the base-plate C. The latter is fastened to the head of the connecting table-screw J and is embedded in a non-conducting substance.

The circuit-closer D consists of a plate-arm which has a small knob at one end, the other being fastened to the base-plate C by a screw between the joint and the contact-points.

The object of this invention is to secure ease and accuracy in transmission, by guarding against the oxidation of the contact-points.

My aim is to prevent the burning of the contact-points by making them easy of removal for the purpose of cleaning them, and by making the upper one small and the lower one large, so as to bring the electric sparks out on the bottom point, H, thus protecting the upper one, G, almost wholly.

The bottom point being easily displaced can be readily cleaned, and thus the key is kept in perfect working order.

I claim—

1. In combination with a telegraph-key, a removable anvil, of iron, platinum, or other metal, substantially as described.

2. In combination with the removable anvil, the socket-receptacle for holding the anvil.

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

WALTER P. PHILLIPS.

Witnesses:

JAMES H. KING,
A. I. MUDD.