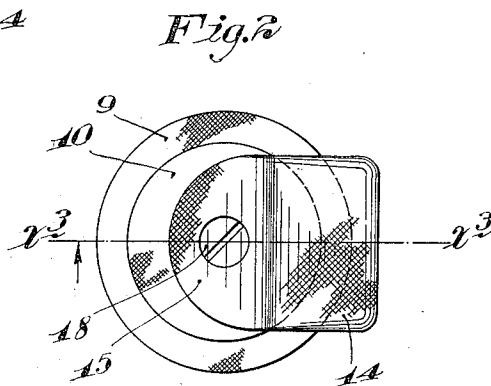
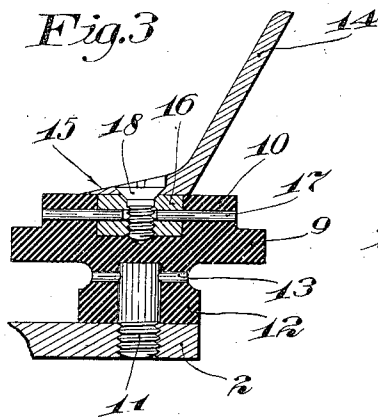
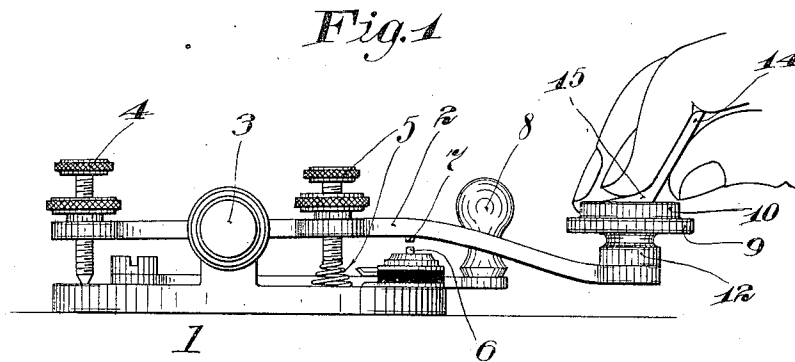


H. C. DAUPHINAIS.
TELEGRAPH KEY.
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1,064,819.

Patented June 17, 1913.



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UNITED STATES PATENT OFFICE.

HENRY CLEMENT DAUPHINAIS, OF FARGO, NORTH DAKOTA.

TELEGRAPH-KEY.

1,064,819.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HENRY CLEMENT DAUPHINAIS, a citizen of the United States, residing at Fargo, in the county of Cass and State of North Dakota, 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.

My invention has for its object to provide an improved telegraph key, especially designed to afford a better and more natural grip for the fingers of the operator, so as to avoid cramps and paralysis of the wrist and arm, common to telegraphers.

To the above ends, generally stated, the invention consists of the novel devices and combinations of devices hereinafter described and defined in the claims.

The invention is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

Referring to the drawings: Figure 1 is a side elevation of the improved telegraph key; Fig. 2 is a plan view of the knob end of the telegraph key; and Fig. 3 is a vertical section, taken on the line $x^3 x^3$ of Fig. 2.

The numeral 1 indicates the key frame or base secured to a desk or other suitable support in the customary manner.

The numeral 2 indicates the key lever intermediately pivoted at 3 to the key frame 1 in the customary manner, and the numerals 4 and 5 indicate, respectively, the key lever adjusting screw and the key lever tension device.

Circuit contacts on the key frame 1 and the key lever 2 are indicated, respectively, by the numerals 6 and 7, and the switch for opening and closing the circuit is indicated, as an entirety, by the numeral 8.

All of the above described parts may be of the standard or any suitable construction.

Referring now to my improvements in the telegraph key, the numeral 9 indicates the key lever knob, having, on its top or upper surface, a reduced hub extension 10. The knob 9 and its hub extension are of substantially the same thickness and their peripheral edges are preferably formed flat, as best shown in Fig. 3. The knob 9 is detachably secured to the key lever 2, in the

customary manner, by means of a screw threaded stud 11 having screw threaded engagement with an internally screw threaded seat formed in the key lever 2. At its upper end, this stud 11 is seated in a depression formed in the depending reduced base extension 12 of the knob 9, and is held against rotation and removal therefrom by a lock pin 13, passed transversely through the stud 11 and base extension 12.

To the hub extension 10 is secured an upwardly and rearwardly inclined finger piece or ring extension 14, terminating, at its lower end, in a laterally projecting foot or base section 15, which rests upon the top face of the hub extension 10. Underlying the foot section 15 and completely covered thereby, is a nut block 16 seated in a depression formed in the upper central portion of the hub extension 10, with its upper face extending flush with the top of the hub extension 10. A pair of diametrically opposite lock pins 17 are passed through the hub extension 10 and into the nut block 16, to secure the same in position. The finger piece 14 is adjustably and detachably secured in position by a set screw 18, passed through the foot section 15 and into the nut block 16. As best shown, in Fig. 3, the foot section 15 is beveled in all directions from the finger piece 14, to a sharp outer edge that forms a smooth surface where the same joins the hub extension 10. The joint between the finger piece 14 and foot section 15 is on a gradual curve, and the head of the set screw 18 is beveled to conform to the general shape of the top of the foot section 15. As shown in Fig. 2, the finger piece 14 and its foot section 15 are formed with knurled surfaces to afford a better finger grip.

The improved knob is preferably formed from vulcanized rubber and the finger piece 14 from aluminum, but any other suitable materials may be used. The tops of the knob 9 and its hub extension 10 are preferably knurled, as shown in Fig. 2.

To operate the key lever 2, the finger piece 14 is preferably gripped between the thumb and first finger of the operator, with his second finger resting on the peripheral edge of the knob 9. Obviously, the finger piece 14, which is swiveled to the hub extension 10 by the screw 18, may be set in different adjustments, to suit the grip and position of the operator.

The above described device, while extremely simple and of small cost to manufacture, is thought to be highly efficient for the purpose had in view.

5 What I claim is:

1. The combination with a telegraph key lever, of a knob secured to said lever and having a flat finger piece set oblique and forming a continuous extension of said
10 knob.

2. The combination with a telegraph key lever, of a knob secured to said lever, an upwardly projecting flat finger piece set oblique to and forming a continuous extension of said knob, and common means for
15 securing said finger piece to said knob and in different adjustments thereto.

3. The combination with a telegraph key

lever, of a knob secured to said lever and having an upwardly projecting reduced hub
20 extension, a nut block seated in said hub extension, and an upwardly and rearwardly projecting flat finger piece, having a foot section resting on said hub extension, and a
25 set screw passed through said foot section and having screw threaded engagement with said nut block, said set screw being adapted to hold said finger piece in different pivoted
adjustments with respect to said knob, substantially as described.

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

HENRY CLEMENT DAUPHINAIS

Witnesses:

EDW. S. JOHNSON,

C. C. HAWLEY.

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