Aug. 29, 1939. L. MUÑOZ 2,171,470

ATTACHMENT TO TYPEWRITER KEYS

Filed June 21, 1937

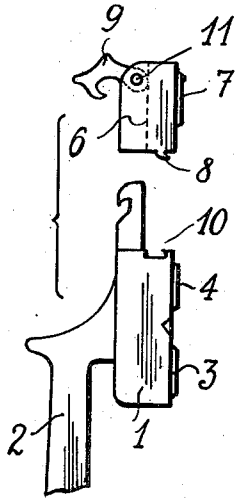


Fig. 1.

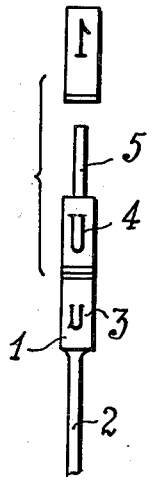


Fig. 2.

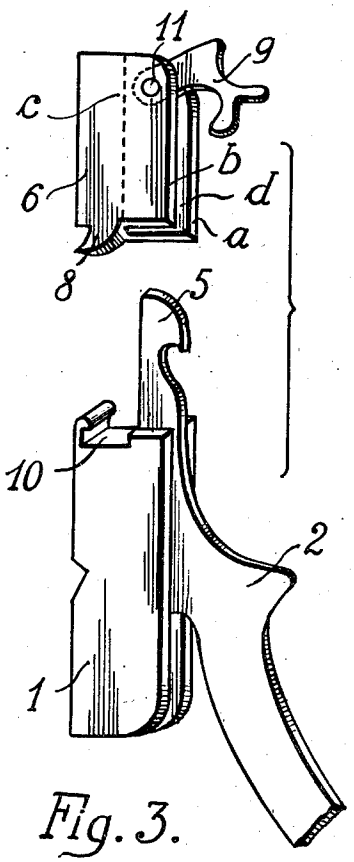


Fig. 3.

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Patented Aug. 29, 1939 2,171,470

UNITED STATES PATENT OFFICE

2,171,470

ATTACHMENT TO TYPEWRITER KEYS

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Application June 21, 1937, Serial No. 149,509

1 Claim. (Cl. 197—36)

The present invention refers to a new device which is adapted to be attached to the type bar head of a typewriter, and the principal object is to provide code-writing without altering for the writer the open message to be transmitted. Other advantages of the invention are as follows:

The apparatus provides the possibility of inter-changing with ease the pieces which carry the code-types, permitting a variety of different codes. Naturally the receiving party must be aware of the series of combinations previously chosen, which must be identified with a special term.

In the appended drawing, the different parts of the invention are illustrated in detail.

Figure 1 is a side view of one of the type bar heads of a typewriter and the attachment.

Figure 2 is a front view of the parts shown in Figure 1.

Figure 3 is a perspective view of the apparatus illustrated in Figure 1.

Fig. 1 is a lateral view of one of the bar heads of the typewriter showing the body 1 joined to the operating rod 2 and the customary letters 3 and 4 carried on the body 1 can be seen in Figure 2. To these elements which are known is added an elongation or tongue 5 to the upper part of the body, but of less thickness than the body 1. Over that elongation fits the complementary piece 6 carrying a code-writing sign 7 which is attached to the body 1 by a lever 9 the hooked end of which is adapted to fit in a cut in the elongation 5. To improve the immobility of the joint, an arcuate shaped projection 8 is provided on the complementary piece, which is adapted to engage the right edge of the recess 10 in the body 1.

To mount the complementary piece, it is necessary to arrange the projection 8 in the recess 10 for which operation the complementary piece must be slightly inclined. Afterwards the joint is secured by moving the lever 9 downward so as to turn the same around the axle 11.

In Figure 3, the two pieces are shown in perspective, and it can be seen, that the thickness of the elongation 5 is equivalent to the groove, that exists between the walls *a* and *b*, of the complementary piece 6. This space or the ribs which gives to said piece the form of a fork, only at the dotted line C coinciding with the rear edge of the projection 8.

To use this device typewriters are required, such as disclosed in Patent No. 948,553 issued Feb. 8, 1910 having another step with reference to the change of height between the roller and the types, when the types are pressed against the paper. This does not represent a technical inconvenient, and the preparation of special machines is amply compensated for with the advantages that are obtained with the system to which the present invention refers.

Another advantage that this system offers is due to the fact that the combinations of the letters with the signs of the code are in a reciprocable form in the machine, so that the same can be used to transmit and receive messages in code. With the reciprocation there is to be understood a situation of the code-sign over a determined letter, and the determined letter, is used as a code sign, over the initial code sign. For instance: if over the letter e has been located the sign 7, then over the number 7, the letter e must be placed.

I claim:

An attachment adapted for use with the type bars of a typewriter comprising, a type bar head permanently fixed to the type bar and having type thereon, a tongue extending upwardly from said head, a complementary piece having type on one face thereof, said piece having a groove therein for receiving said tongue, the upper portion of said head having a recess therein, an arcuate shaped projection carried by said piece adapted to engage said head within said recess, a lever rotatably mounted within said groove having a hook-shaped end, and said tongue having a cut-out portion for receiving the hooked end of said lever whereby the type carried by said complementary piece and the type arranged on said type bar head may be selectively used in typing a message on paper in the typewriter.

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