

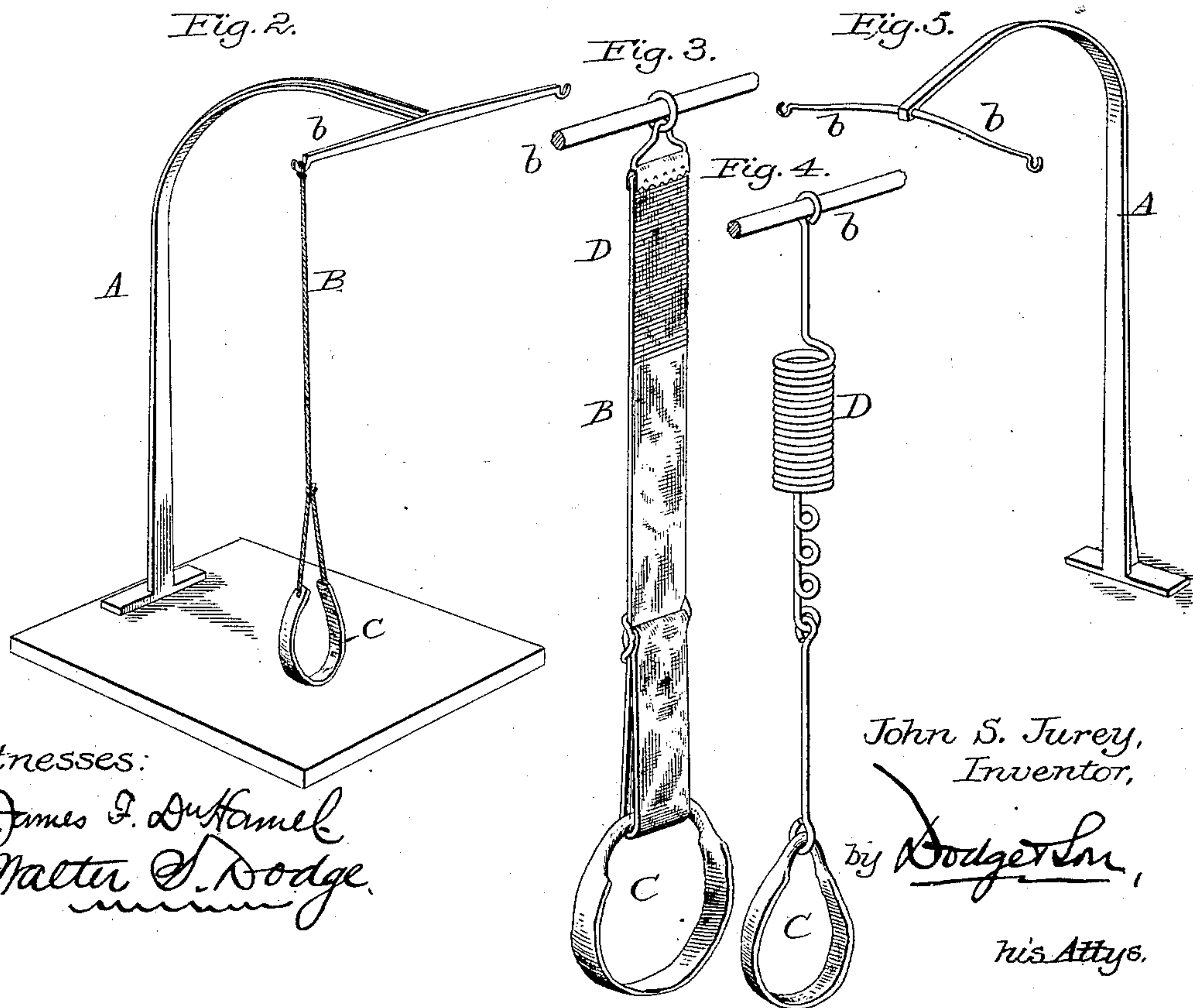
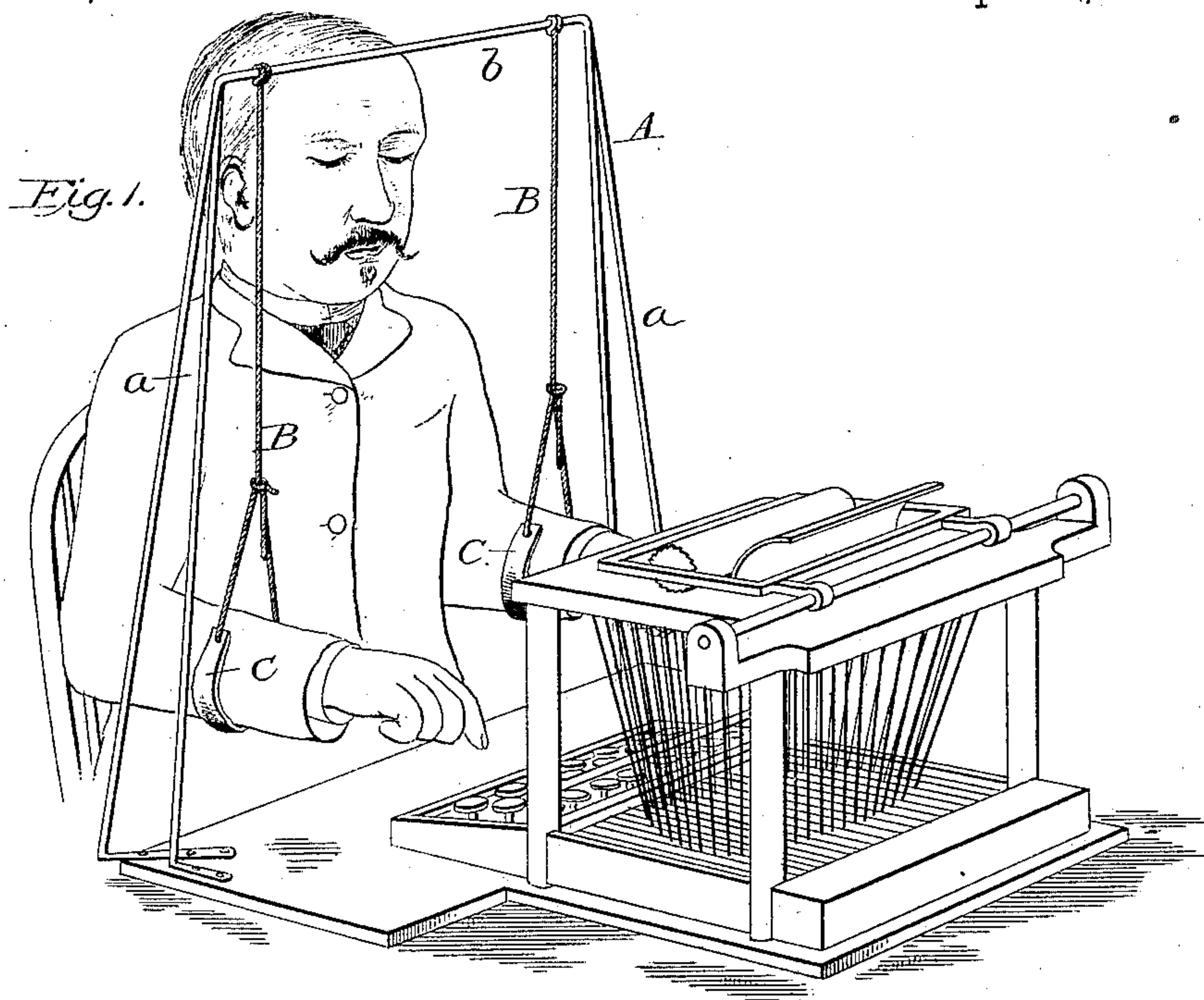
(No Model.)

J. S. JUREY.

ARM REST FOR KEY BOARD OPERATORS.

No. 360,529.

Patented Apr. 5, 1887.



Witnesses:

James I. Duffmel
Walter S. Dodge

John S. Jurey,
Inventor,

by *W. Dodge & Co.*

his Attys.

UNITED STATES PATENT OFFICE.

JOHN S. JUREY, OF BOONVILLE, MISSOURI.

ARM-REST FOR KEY-BOARD OPERATORS.

SPECIFICATION forming part of Letters Patent No. 360,529, dated April 5, 1887.

Application filed January 12, 1887. Serial No. 24,117. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. JUREY, of Boonville, in the county of Cooper and State of Missouri, have invented certain new and useful
5 Improvements in Arm-Rests for Key-Board Operators, of which the following is a specification.

My invention consists in an arm-rest or supporting device for the use of type-writer operators and others having occasion to manipulate
10 finger-keys for considerable periods of time.

The device is susceptible of more or less variation as to details; but it consists, essentially, of an overhanging arm or frame from which
15 are suspended two arm-rests or hangers, the suspending cords, straps, or bands being preferably adjustable as to length, and made either of elastic or inelastic material, as preferred.

In the annexed drawings, Figure 1 is a perspective view of my device in position for use; Fig. 2, a view showing the supporting frame or standard in a somewhat different form; Figs. 3, 4, and 5, views of details.

It is well known that constant or prolonged
25 use of a type-writer causes great fatigue to the operator, particularly of the arms and back, the arms being held unsupported in a nearly fixed position, while the hands are moved from the wrist, very little if any motion being
30 given to the forearm as a whole.

The purpose of this invention is to give adequate support to the arms, and incidentally to the back and shoulders, thereby obviating the fatigue heretofore unavoidable, and in great
35 measure overcoming the now usual tendency of type-writer operators to become round-shouldered.

In the drawings, A indicates a frame, which may be made of heavy wire or light metal tubing, of wood, or other suitable material. This
40 frame is designed to carry hangers or supporting devices B, which may conveniently be made in the form of strong cords, carrying at their lower ends semicircular or stirrup-shaped
45 arm-rests C.

Instead of cords, I may use straps, bands, or webbing, chains, or even metallic bands or wires. The cords or webbing may be elastic
50 in themselves, or they, or the metallic bands, chains, &c., may be inelastic, but attached to an elastic section, D, as shown in Figs. 3 and 4.

The frame A may be secured either to the

body of the type-writer or, as is more convenient, to the base-board upon which the machine is usually mounted. It may consist of
55 uprights *a a* at each side of the machine, connected by a cross-bar, *b*, as shown in Fig. 1, or it may be in the form of an overhanging arm or crane, with a cross-bar, *b*, as in Fig. 2, the form, size, and material being matters of
60 judgment and taste, variable at will. The cross-bar *b* should stand somewhat forward of the keys or finger-buttons of the type-writer, so that when the hands are in position to strike the keys the arm-rests, hanging nat-
65 urally, shall support the arms about midway between the wrists and elbows, though this, too, is a matter of judgment to some extent.

The suspenders or hangers B must be of such material, or so attached to the cross-bar or
70 support *b* that the arm-rests C may swing freely in all directions, to permit the hands to be carried readily over the key-board.

In practice I have found a non-elastic suspender well adapted to the purpose, and, in
75 fact, deem such preferable to elastic ones, where the key-board is compact and small; but for larger key-boards, requiring greater movement of the hands, elastic suspenders possess some advantages, hence I propose to use, when
80 desirable, cords or bands elastic in whole or in part, coiled springs, or even a spring-hanger or supporting-arm for the suspender to hang from. These constructions are illustrated in the drawings, Figs. 1 and 2 showing inelastic
85 hangers; Fig. 3, the elastic band or webbing; Fig. 4, the coiled spring forming the suspender or part thereof; Fig. 5, the spring-arms, from which the suspenders are hung.

The arm-rests may be of any suitable form
90 and material, being conveniently formed either of wire or of sheet metal covered with leather, cloth, or other soft material, and advisably padded somewhat. The suspenders should also be adjustable as to length, which end, in
95 the case of cords, may be attained by merely tying them higher or lower, and in the case of straps and bands the same effect may be secured by the use of buckles.

With chains, wires, and metal bands a hook
100 will be provided to hook in different links of the chain or eyes or holes of the wire or band.

It would be possible to suspend the arm-rests from a ceiling or wall, but not so con-

venient. It will readily be seen, too, that the rest may be supported from beneath, but the suspended arm-rests permit much greater ease of movement of the arms and are highly advantageous over the suggested modification.

Having thus described my invention, what I claim is—

1. In combination with a type-writing machine, a support or rest located in front of the key-board and adapted to pass beneath and support the forearm at or in rear of the wrists, said rests being free from clamps or other devices which might interfere with the free rise or removal of the arm from the rest.

2. In combination with an instrument or machine having a key-board, an overhanging frame or support, and arm-rests suspended from said support in front of the key-board, substantially as set forth.

3. In combination with a machine or instrument having a key-board, a bar or support above the key-board, and two independent elastic hangers carried by said support, and provided with rests or stirrups to receive the arms of an operator of the machine.

4. In combination with a type-writing or other machine having a key-board, a support above the machine, suspenders attached to said support and made adjustable as to length, and arm-rests carried by said suspenders, substantially as described and shown.

In witness whereof I hereunto set my hand in the presence of two witnesses.

JOHN S. JUREY.

Witnesses:

WILLIAM W. DODGE,
JAMES F. DU HAMEL.