

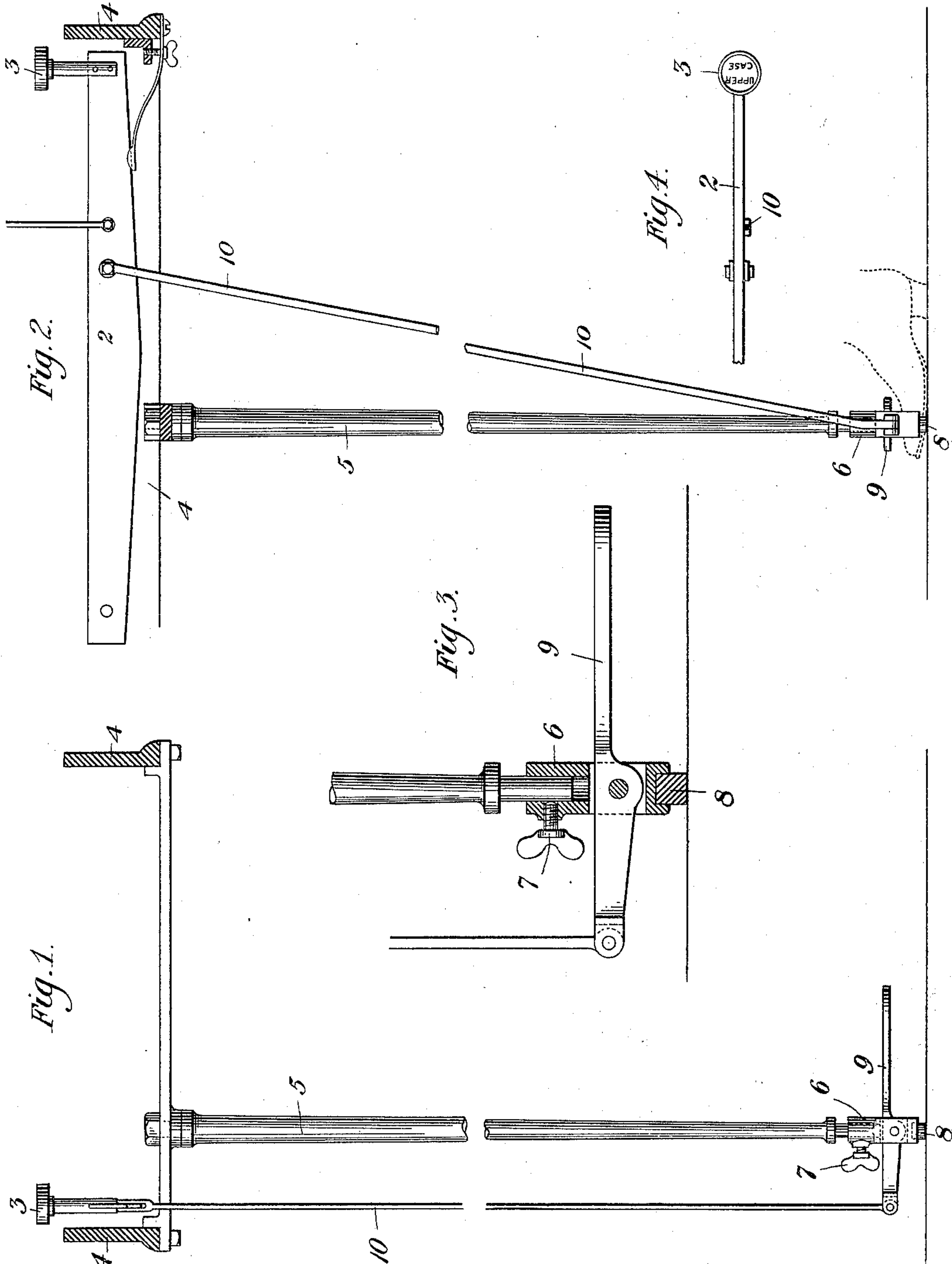
(No Model.)

2 Sheets—Sheet 1.

F. G. BARBER.
TYPE WRITER ATTACHMENT.

No. 605,373.

Patented June 7, 1898.



WITNESSES

James K. Baker
H. B. Conner

INVENTOR

Frederick G. Barber

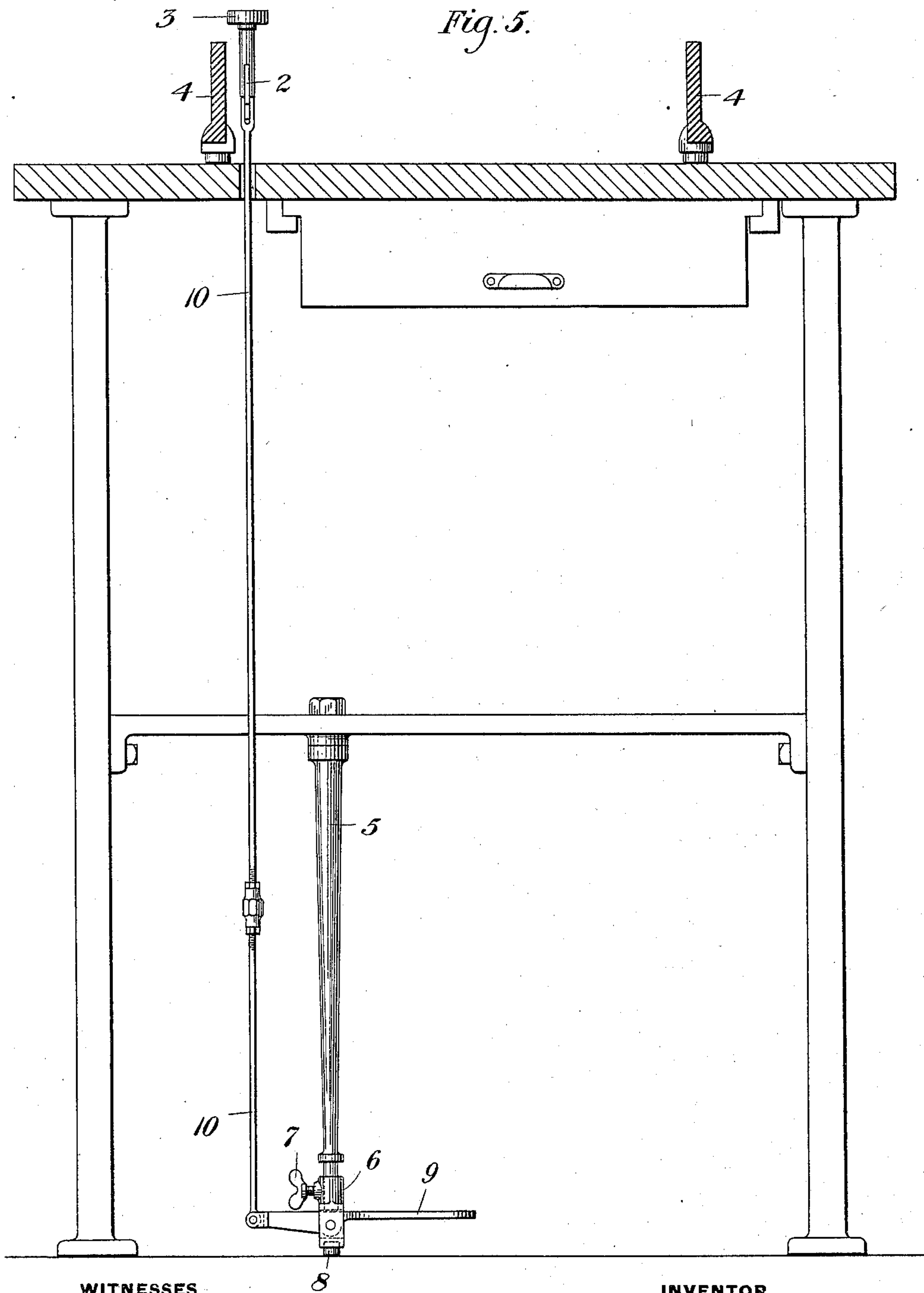
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WITNESSES

INVENTOR

James R. Bakewell
W. B. Corwin

Frederick G. Barber

UNITED STATES PATENT OFFICE.

FREDERICK G. BARBER, OF ROCHESTER, PENNSYLVANIA.

TYPE-WRITER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 605,373, dated June 7, 1898.

Application filed February 4, 1895. Serial No. 537,156. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK G. BARBER, of Rochester, in the county of Beaver and State of Pennsylvania, have invented a new and useful Improvement in Type-Writer Attachments, of which the following is a full, clear, and exact description.

My invention relates to an improvement in type-writers of that class in which the relative position of the platen is shifted so as to bring it into position to be struck by either capital or small letters on the type-bar or otherwise change the characters to be struck; and it consists in a foot lift or treadle connected with the shifting lever or bar, as hereinafter described, or other mechanical device, which foot-lever is so arranged as to be operated by an upward motion of the front part of the foot, to shift the platen.

I will now describe my invention so that others skilled in the art to which it appertains may manufacture and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front elevation of my improvement as applied to a type-writer. Fig. 2 is a side elevation of the same. Fig. 3 is an enlarged view of the lift or treadle and supporting attachment, partly in section. Fig. 4 is a plan view of a portion of the platen-shifting key-lever, and Fig. 5 is an elevation of my improvement applied to a type-writer stand or desk.

Like symbols of reference indicate like parts wherever they occur.

In the drawings, 2 represents the platen-shifting lever, having the usual finger-key 3. Secured to the frame 4 of the type-writer is a rod or supporting-standard 5, to the lower end of which is adjustably secured the lift or treadle support 6, which is provided with a socket which fits on the lower end of the rod 5 and is adjustably secured by the set-screw 7 to regulate the length of the standard and the position of the treadle. On the lower end of the support 6 is shown a rubber block 8, which rests on the floor. Pivoted to the sup-

port 6 is the foot-treadle 9, which is raised from the floor sufficiently to allow the foot of the operator to pass beneath the forward part of the lift or treadle, so that the treadle may be operated by lifting the forward part of the foot, as is indicated by the dotted lines in Fig. 2. Suitably attached to the rear end of the treadle 9 is the rod 10, the other end of which is connected to the platen-shifting lever 2.

When the operator desires to shift the platen to print capital letters or for any other purpose, all that is necessary is to slightly raise the toes of the foot under the lift or treadle, which moves the platen-shifting lever 2 and shifts the platen without the use of the hands.

In Fig. 5 I show a modification in which the treadle-supporting standard 5 is secured to the type-writer desk instead of to the type-writer frame, and a turnbuckle is shown on the rod 10. This turnbuckle is preferably employed in all cases where the rod 10 is used. Other modifications will suggest themselves to those skilled in the art—as, for instance, the treadle may be pivoted to a support secured to the floor or a chain may be substituted for the rod 10.

My invention may be applied to all type-writers having a shifting-platen or shifting-type system.

The advantages of my invention will be appreciated by those who use the same. Owing to the treadle being operated by a lifting movement the foot of the operator may remain at rest under the treadle until it is necessary to shift the platen, which shifting may be quickly accomplished by the upward motion of the forward part of the foot.

I claim as my invention—

1. In a platen-shifting attachment for type-writers, the combination with a shifting mechanism, of a foot-lever arranged to receive the toe portion of the foot beneath it and to shift the platen by an upward lift.

2. The combination with a shifting device for a type-writer, of a foot-lever arranged to receive the forward part of the foot beneath

its projecting end, the other end of the lever having a direct link connection to the shifting device so that an upward lift of the foot will shift the platen.

- 5 3. The combination with a shifting device for a type-writer, of a foot-lever arranged to receive the toe portion of the foot beneath its projecting end, an adjustable fulcrum for

said lever, and a connection between the lever and the shifting device. 10

In testimony whereof I have hereunto set my hand.

FREDERICK G. BARBER.

Witnesses:

W. B. CORWIN,

JAMES K. BAKEWELL.