

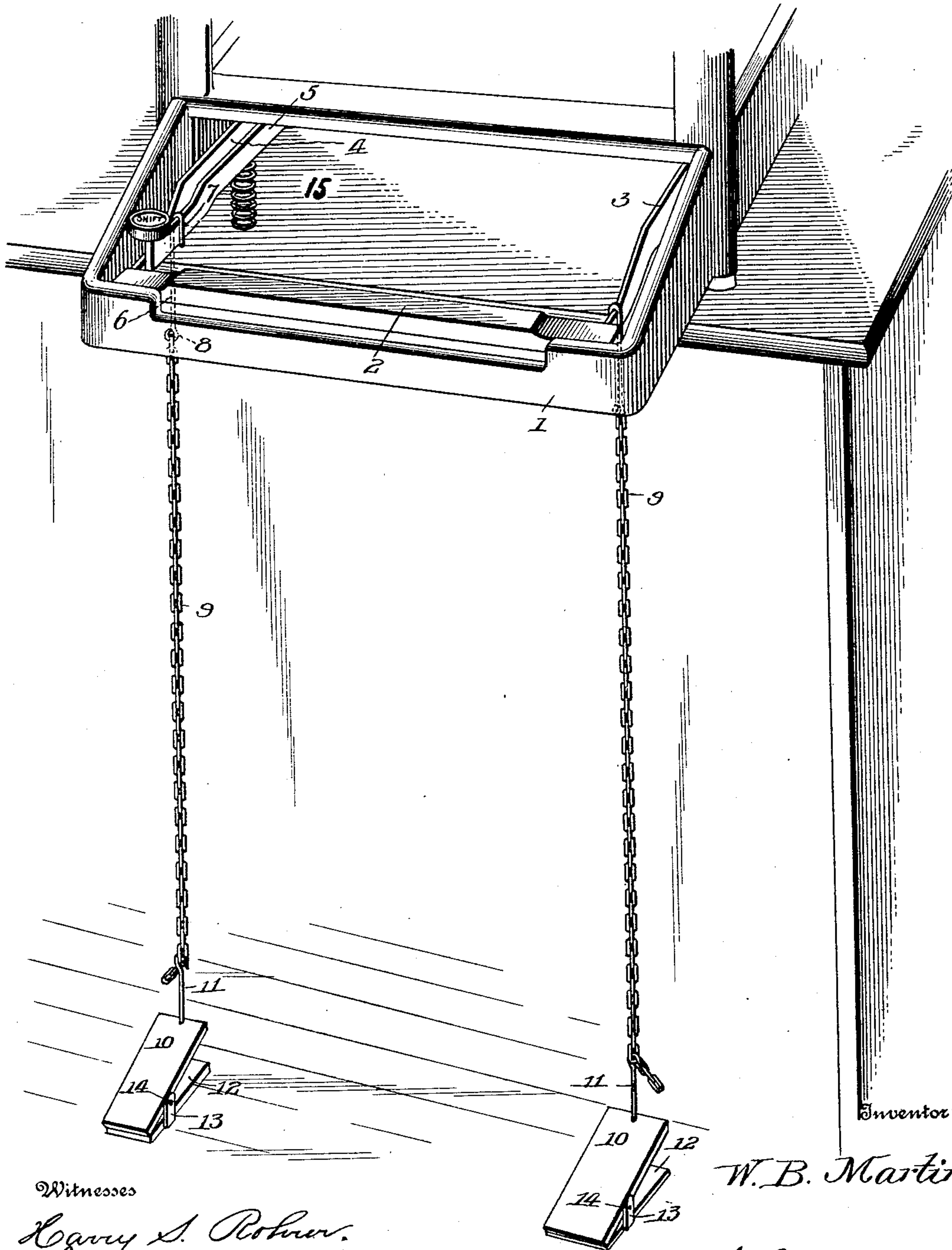
No. 677,582.

Patented July 2, 1901.

W. B. MARTIN.
TYPE WRITER ATTACHMENT.

(Application filed Nov. 18, 1900.)

(No Model.)



Inventor:

W. B. Martin

Witnesses

Harry S. Robins.
J. C. Mc Cleary

By.

Victor J. Evans Attorney

UNITED STATES PATENT OFFICE.

WILLIAM B. MARTIN, OF FAYETTEVILLE, TENNESSEE.

TYPE-WRITER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 677,582, dated July 2, 1901.

Application filed November 16, 1900. Serial No. 36,738. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. MARTIN, a citizen of the United States, residing at Fayetteville, in the county of Lincoln and State of Tennessee, have invented new and useful Improvements in Type-Writer Attachments, of which the following is a specification.

My invention relates to type-writer attachments; and its primary object is to provide mechanism adapted to be operated by the feet of the operator to depress the space-bar and also to operate the shift-key, thus avoiding the necessity of operating the space-bar and shift-key by hand, as is now done, and contributing to the speed of the writer.

A further object of the invention is to provide simple and inexpensive means for operating the space-bar and shift-key of a type-writer, which may be quickly attached to a machine or disconnected therefrom without forming openings or passage-ways for the attachment in the type-writer table if it is objectionable to form such openings.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawing, which forms a part of this specification, and its novel features will be defined in the appended claim.

The drawing is a view in perspective of the front portion of a type-writer with my improvements applied thereto.

The reference-numeral 1 designates the keyboard-frame of a type-writing machine. 2 is the space-bar thereof, connecting the parallel arms 3 and 4, and 5 designates the shift-key.

I provide two independent attachments—one for the space-bar and the other for the shift-key—and each of said attachments comprises a rod 6, bent at its upper end to form a hook 7 and at its lower end to form an eye 8, a chain or flexible connection 9, the upper end of which is secured to the eye 8, a treadle 10, and a hooked rod 11, projecting from the treadle and connected at its upper end to the lower end of the chain or flexible connection 9. The treadle 10 is pivotally supported upon a base 12, adapted to rest upon the floor, by means of lugs 13, projecting from opposite

sides of the base, and a pin 14, extending through bearings formed in the lugs 13 and through the treadle or projections therefrom. The treadle is retracted when relieved of pressure by the spring 15, located below the shift-key, or in the case of the space-bar the raising of the treadle is effected by the retracting-spring of the space-bar. (Not shown.)

As the construction of the two independent attachments is the same, the above specific description of one will suffice for both.

As illustrated in the drawing, the hook 7 of one of the attachments engages one of the arms 3 of the space-bar, and the hook 7 of the other attachment engages the shift-key 5.

If desired, the table upon which the type-writing machine rests may be formed with openings through which the rods 6 extend; but an important characteristic of the improvement is that it is not essential that the type-writing table be formed with these openings, since by moving the machine forward, so that it will project beyond the front edge of the table, the rod 6 may be readily passed up through the frame 1 and hooked over the shift-key and one of the arms of the space-bar, as clearly illustrated in the drawing. Thus the operating attachments may be quickly applied to any machine and readily removed.

A further advantage of my improved construction is that the chains 9 are suspended in a substantially vertical position, and hence a direct pull upon the shift-key and space-bar is obtained and the interposition of levers or other connections between the operating attachments and the shift-key and space-bar is avoided.

The chains 9 may be adjusted with relation to the treadle 10 and rods 11 as shown in the drawing.

It will be obvious from the above description, in connection with the accompanying illustration, that by the use of my improvement the hands of the type-writer operator are left free at all times to manipulate the keys and the inconvenience of removing the hands from the keyboard for the purpose of

operating the space-bar and shift-key is avoided.

I claim—

5 A type-writer attachment comprising a hooked rod adapted to be hooked over the shift-key or space-bar of the machine; in combination with a treadle adapted to be placed on the floor in vertical alinement with said

rod; and a flexible connection between said rod and treadle.

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

WILLIAM B. MARTIN.

Witnesses:

SAML. C. FIGERT,

TOM J. SIMS.