

(No Model.)

G. A. FAIRFIELD.
TYPE WRITING MACHINE.

No. 366,084.

Patented July 5, 1887.

Fig. 1.

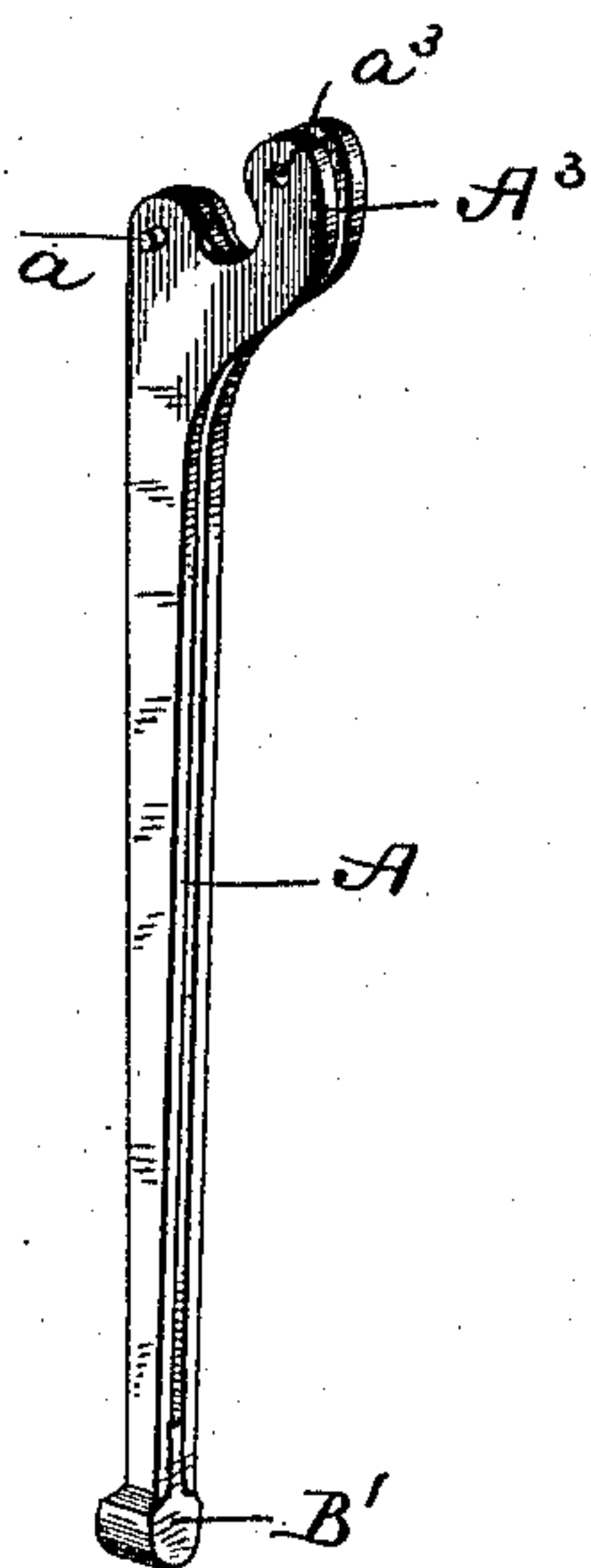


Fig. 2.

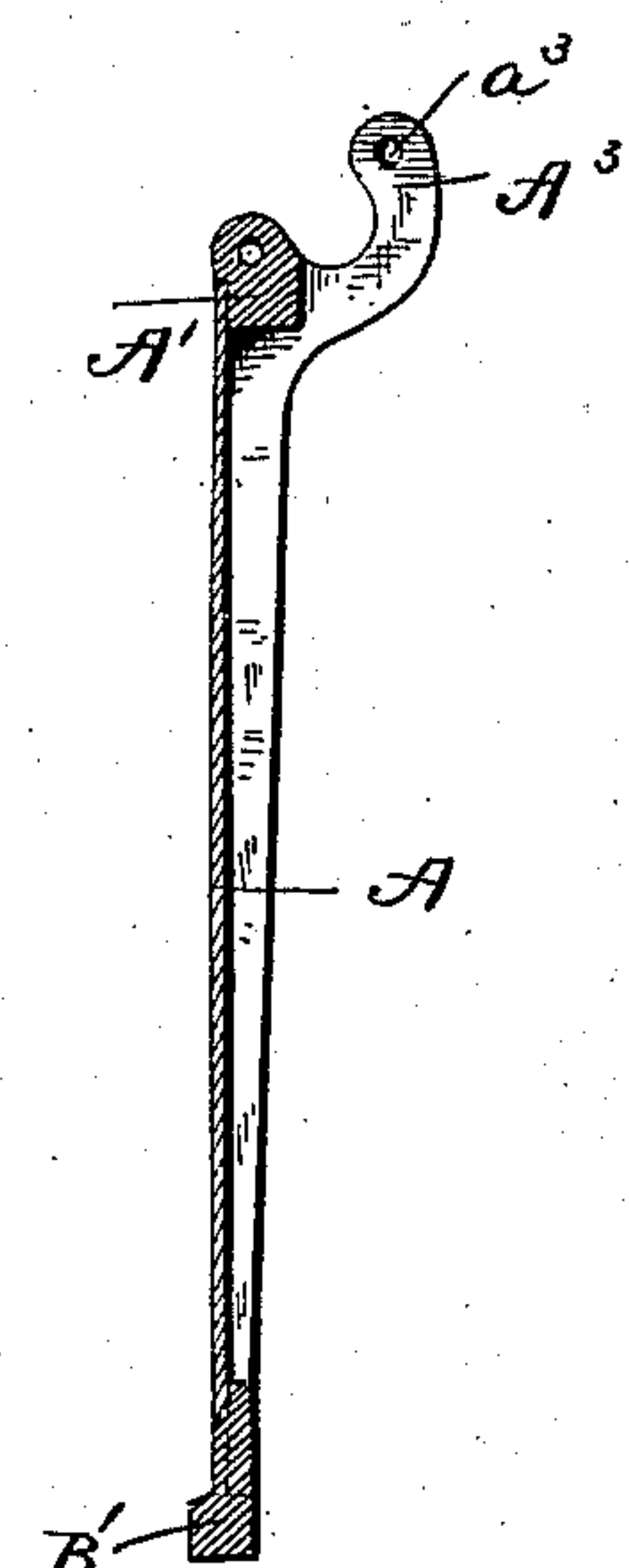


Fig. 3.

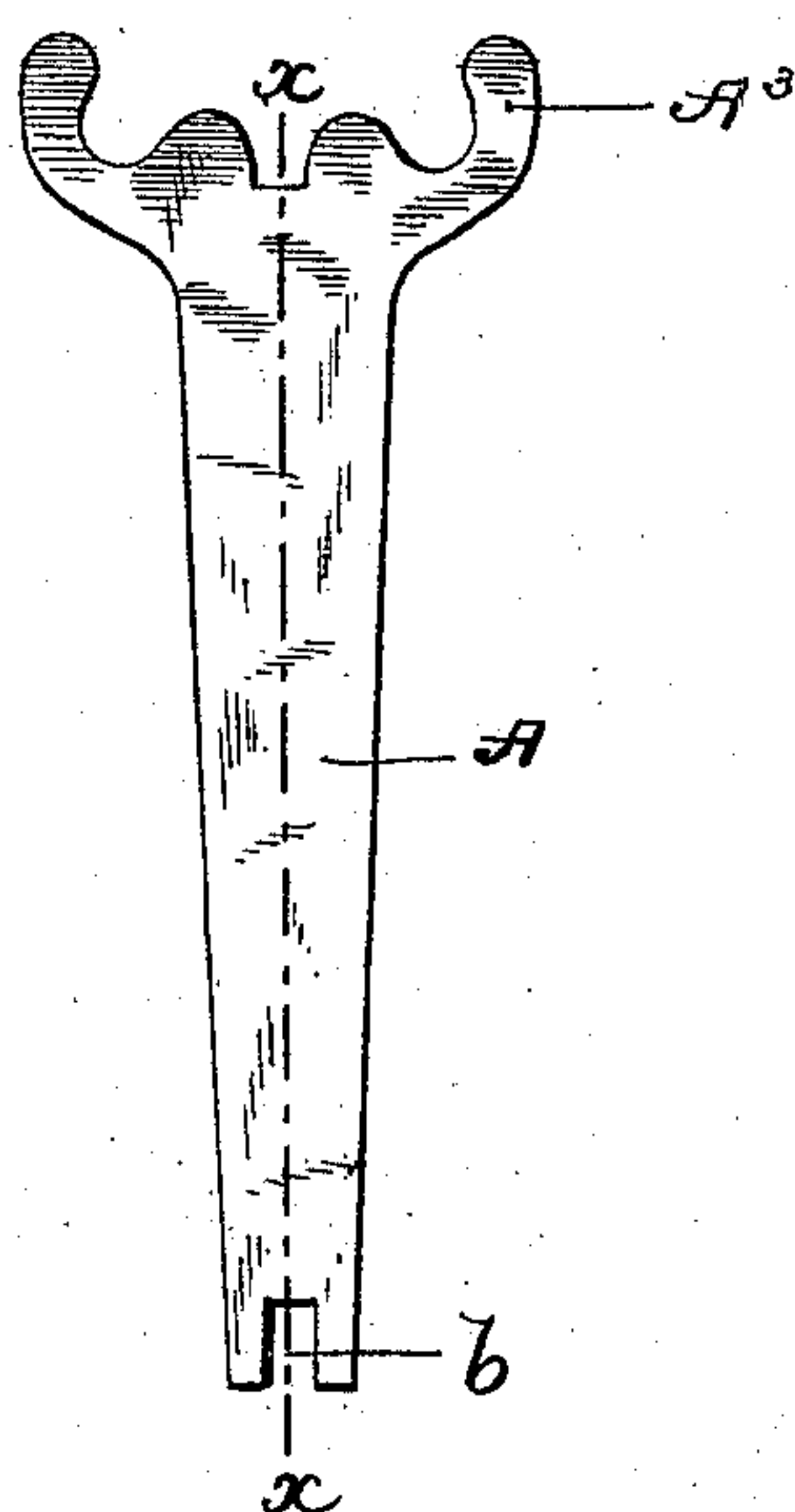


Fig. 4.

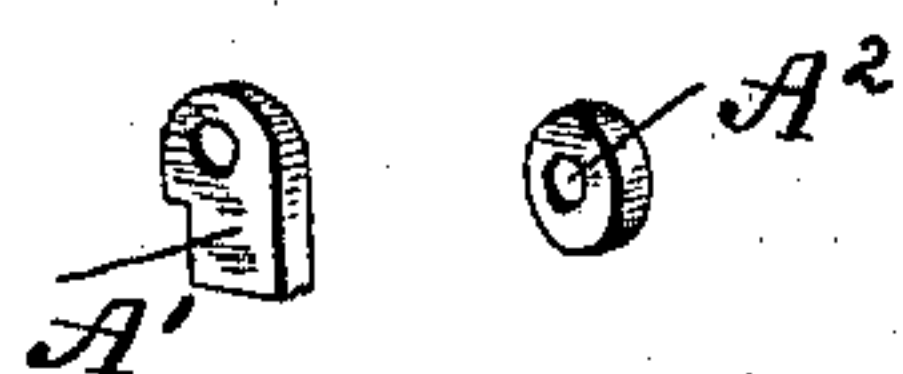
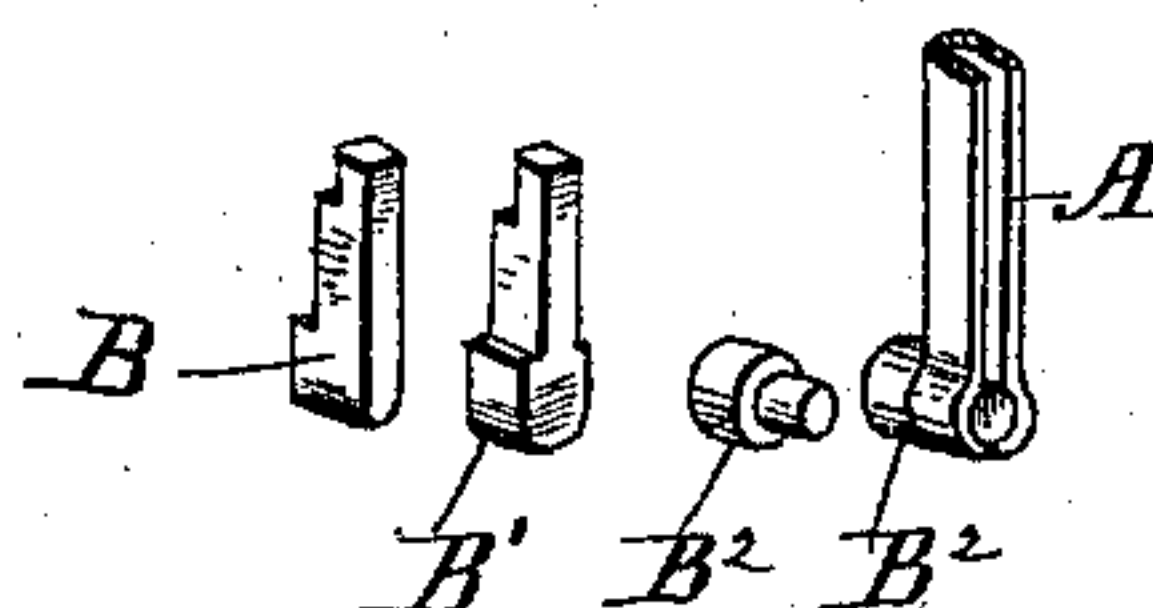


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE A. FAIRFIELD, OF HARTFORD, CONNECTICUT, ASSIGNOR TO THE
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TYPE-WRITING MACHINE.

SPECIFICATION forming part of Letters Patent No. 366,084, dated July 5, 1887.

Application filed December 9, 1884. Serial No. 149,832. (No model.)

To all whom it may concern:

Be it known that I, GEORGE A. FAIRFIELD, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to type-bars for type-writers; and the objects of my improvement are to combine lightness, strength, and economy of construction. The type-bars are made light, so as not to tire the fingers, and at the same time rebound quickly; strong and stiff to prevent lateral vibration, and less expensive than forged or cast type-bars.

This invention consists in certain improvements in the construction of the same, as hereinafter described, and specifically set forth in the claims.

Like letters represent like parts in all the figures.

Figure 1 is a perspective view of a type-bar constructed in accordance with my invention. Fig. 2 is a vertical section of the same. Fig. 3 is a front view of a blank from which the type-bar is formed. Fig. 4 is a socket-plate to re-enforce the type-bar at the point where it receives its pivot-pin. Fig. 5 is a socket-plate to re-enforce the type-bar at the end where it receives the printing-type.

In the drawings, A represents a type-bar blank. It is made of sheet metal bent over lengthwise in a U-shaped or trough form on the axial line $x x$ to produce a light, rigid, and inexpensive type-bar. The sides of the type-bar blank A are made tapering lengthwise, so that when folded it will produce a type-bar of

ordinary form. After the blank has been folded, a small socket-plate, A', is inserted in the upper portion of the groove thus formed. It is held in place by a small pin, a , passing through both sides of the type-bar A and through the socket-plate, and the parts are brazed together. The pin a projects on both sides and forms the journals on which the type-bar swings. A modification of the socket-plate is shown at A² in Fig. 4. The blank is provided with arms A³, to be perforated, as shown at a^3 in Figs. 1 and 2, to receive a pin from which the connecting-rod of the type-bar is suspended.

BB' B² represent three type-receiving plates, either one of which is brazed or otherwise secured in the lower end of the type-bar in a groove, b , made for their reception, and said plates may be perforated to receive any suitable type.

Having now fully described my invention, what I claim is—

1. As a new article of manufacture, a type-bar composed of sheet metal folded lengthwise and provided with a socket-plate and type-receiving plate, substantially as described.

2. A tapering type-bar blank of sheet metal folded lengthwise and bent in a U shape, in combination with a socket-plate, A', located in the upper portion thereof, and journal-pin passing therethrough, and a type-receiving plate secured in the lower portion, substantially as and for the purpose described.

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

GEO. A. FAIRFIELD.

Witnesses:

WM. B. NELSON,
F. E. BELDEN.