

(No Model.)

W. J. BARRON.

TYPE WRITING MACHINE.

No. 330,198.

Patented Nov. 10, 1885.

Fig. 1

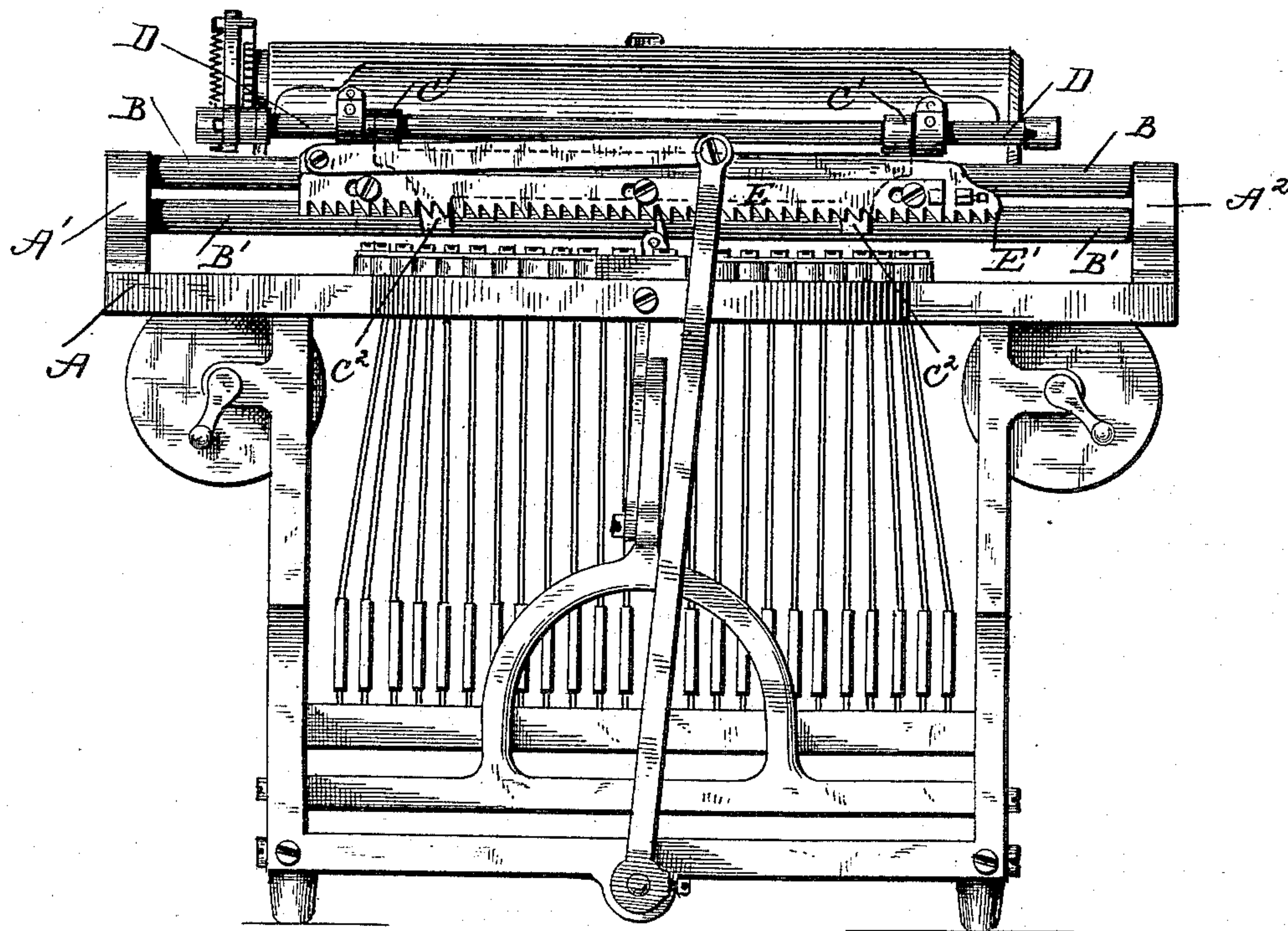


Fig. 2.

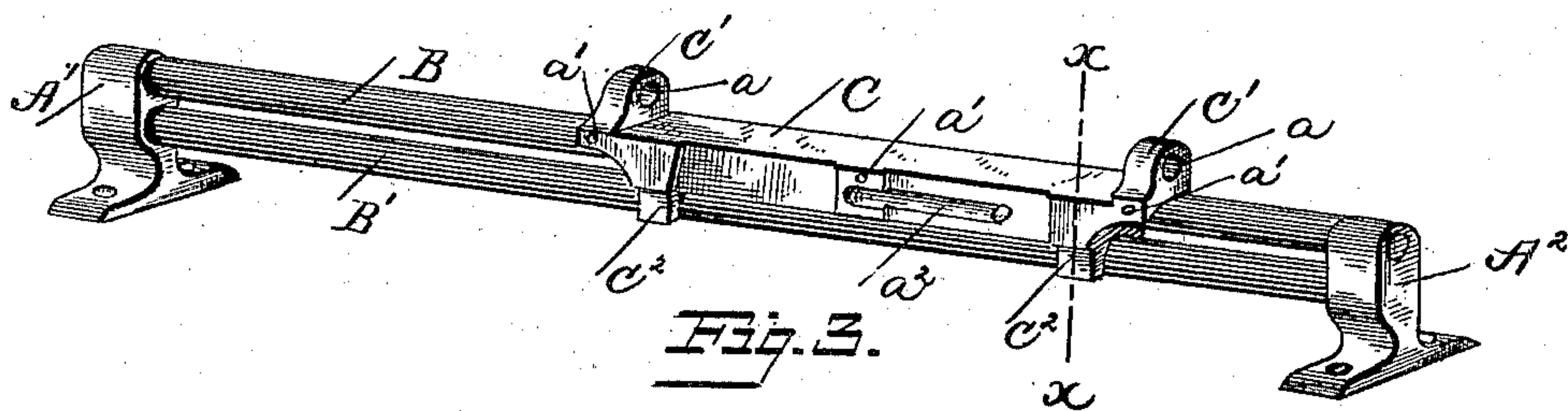
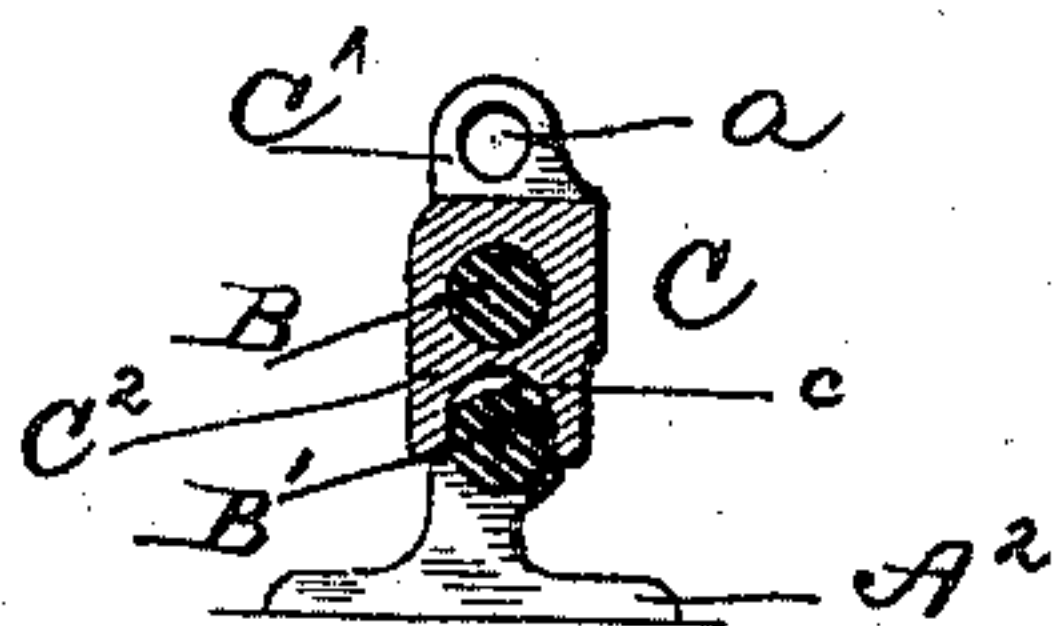


Fig. 3.



Witnesses:

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by E. E. Masson
atty.

UNITED STATES PATENT OFFICE.

WALTER J. BARRON, OF NEW YORK, N. Y., ASSIGNOR TO THE AMERICAN
WRITING MACHINE COMPANY, OF SAME PLACE.

TYPE-WRITING MACHINE.

SPECIFICATION forming part of Letters Patent No. 330,198, dated November 10, 1885.

Application filed December 13, 1884. Serial No. 150,294. (No model.)

To all whom it may concern:

Be it known that I, WALTER J. BARRON, a citizen of the United States, residing at New York city, in the county of New York and State of New York, 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.

10 This invention relates to improvements in guide - rods and yokes for type-writing machines to give steadiness to the carriage movement; and it 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.

20 Figure 1 is a rear view of a type-writer provided with my improved guide-rods and yoke. Fig. 2 is a perspective view showing the rear of the guide-rods and yoke detached from the machine. Fig. 3 is a vertical section on line *x x* of Fig. 2.

25 In the drawings, A represents the main frame of the type-writer, and A' and A² are standards secured upon the top of the frame adjoining the two ends thereof. To these standards are secured two parallel guide-rods, B B', one above the other, and extending the full width of the machine. Upon the rods is mounted the yoke C in such a way as to slide freely but with great steadiness thereon. This yoke is provided with two lugs, C', projecting upward from the two ends thereof, and these lugs have perforations *a*, to receive the back rod, D, of the carriage carrying the platen, said rod forming the hinge on which the carriage turns. Extending downward from the 40 bottom of the yoke C are two forked lugs, C²,

having semicircular grooves *c* in the under side thereof, which are of suitable form to be guided and steadied by the lower guide - rod, B'. Screw-tapped perforations *a'* are made into the back of the yoke to receive screws to secure thereto the rack E, controlling the advance of the carriage. There is also a groove, *a*², in the back of the yoke to receive a small spiral spring attached to and actuating the inner rack, E', as usual.

50 The advantage of the two guide-rods B B', in connection with the forked lugs C² of the yoke-plate bearing against the lower rod, is the steadiness given to the carriage while running at a high speed, and consequent prevention of the formation of wavy lines in the print produced by the machine.

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

1. The yoke C, provided with forked lugs C² on the under side and adjoining the ends thereof, in combination with two parallel guide-rods, B and B', rigidly attached to standards upon the main frame of a type-writing machine, and a paper-carriage, substantially as and for the purpose described.

2. Two parallel guide-rods, B and B', rigidly connected to the main frame of a type-writing machine, in combination with a sliding yoke provided with perforations *a'* and *a*², and grooved lugs C² at each end, and a paper-carriage, substantially as and for the purpose described.

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

WALTER J. BARRON.

Witnesses:

FRANCIS P. BURKE,
H. E. PERRIN.