

No. 826,626.

PATENTED JULY 24, 1906.

A. J. THROM.
CLAMP FOR TYPE WRITERS.
APPLICATION FILED MAR. 13, 1905.

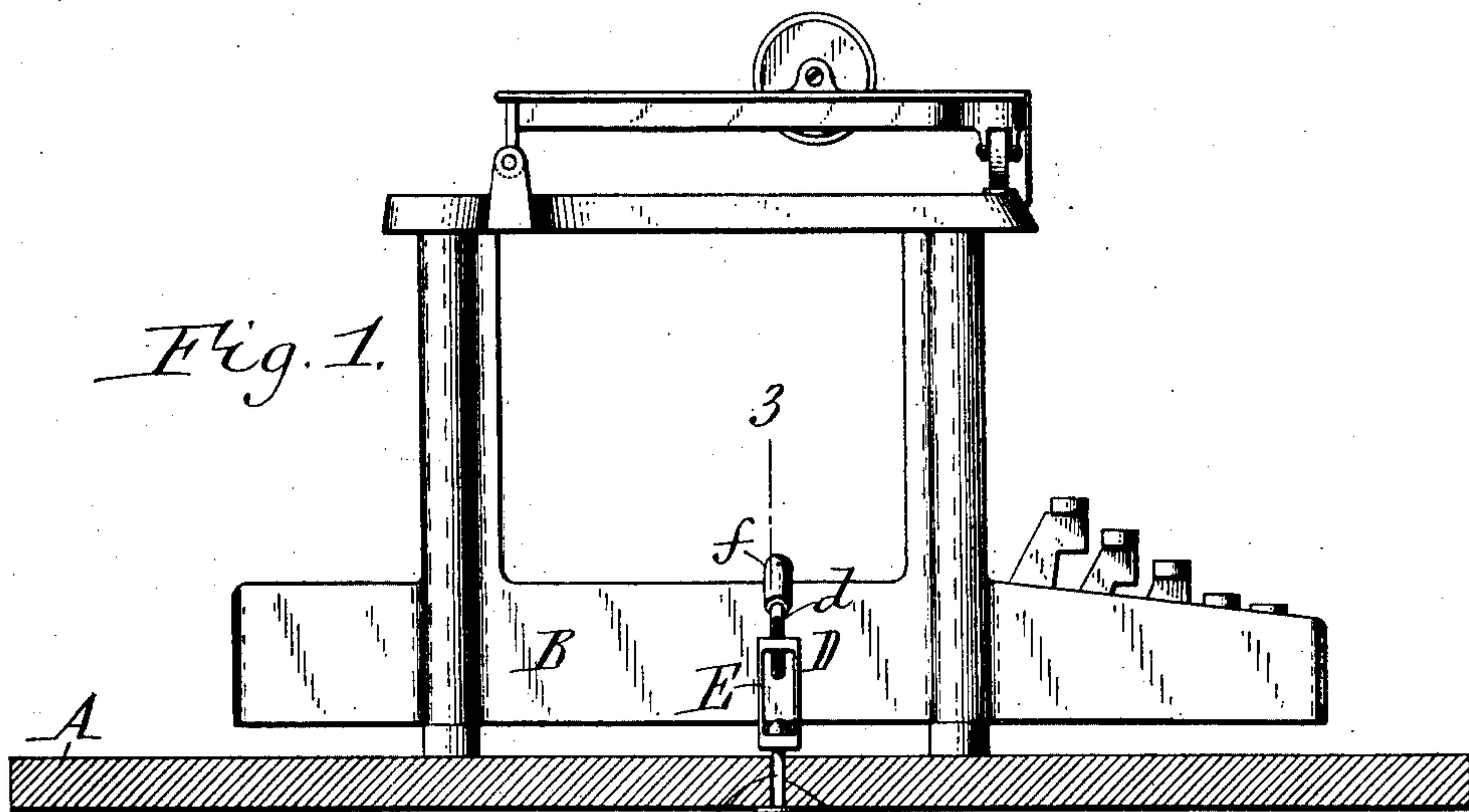
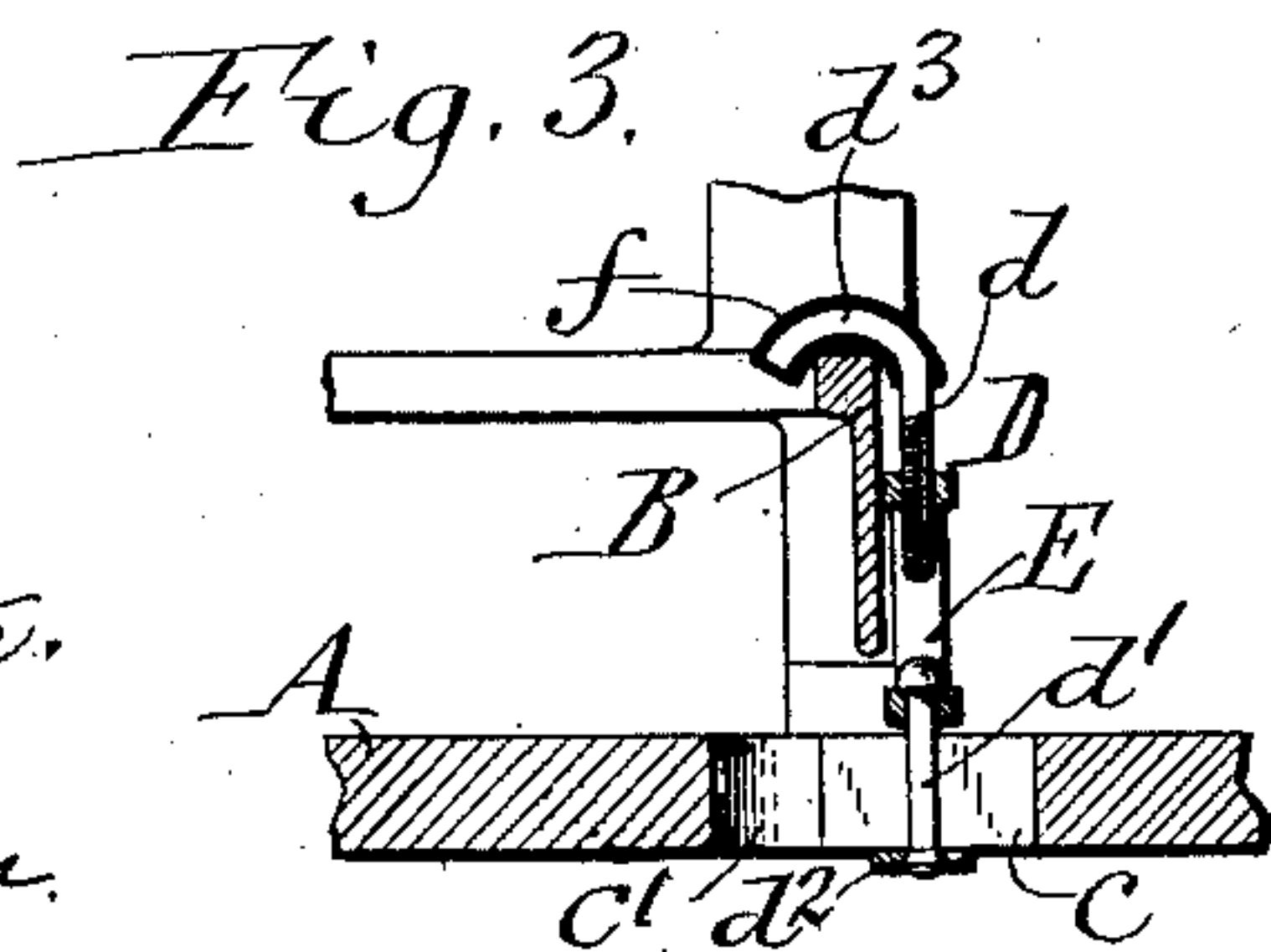
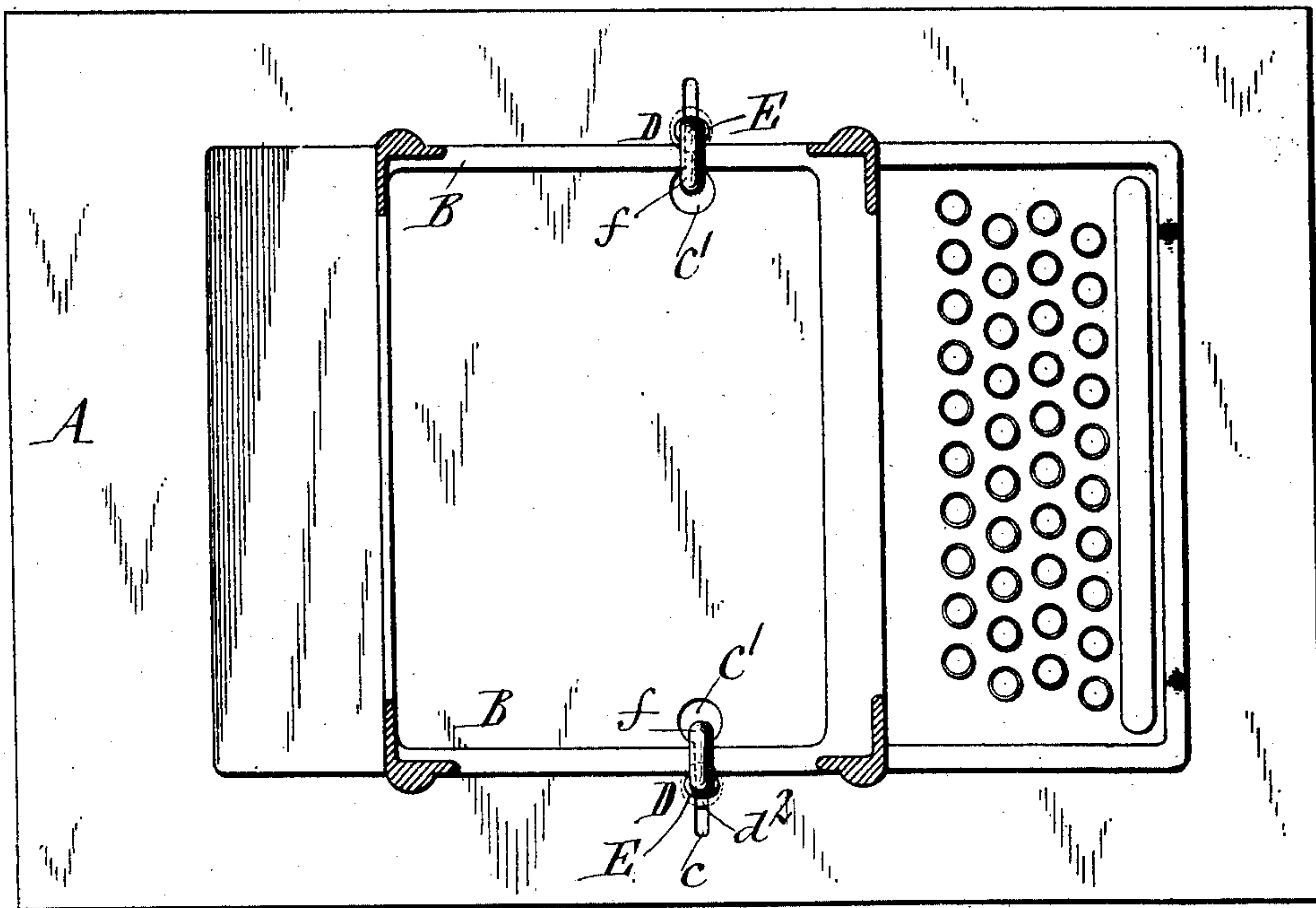


Fig. 2.



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UNITED STATES PATENT OFFICE.

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CLAMP FOR TYPE-WRITERS.

No. 826,626.

Specification of Letters Patent.

Patented July 24, 1906.

Application filed March 13, 1905. Serial No. 249,703.

To all whom it may concern:

Be it known that I, ANTHONY J. THROM, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Improvement in Clamps for Type-Writers, of which the following is a specification.

This invention relates to the clamps employed for securing a type-writer to a base-board, shelf, or other support.

The devices in common use consist of bolts and similar fastenings which must be tightened from the under side of the desk, slide, or other support on which the machine is mounted, rendering it inconvenient in many cases to fasten the clamps to the support. Such clamps also require the use of a wrench or special tool, and the holes for the bolts must be bored to suit the different styles of machines.

It is the object of my invention to provide simple fastening means for this purpose which can be conveniently applied and tightened from the upper side of the desk or other support without the use of tools and which can be adjusted to clamp machines of various styles and sizes.

In the accompanying drawings, Figure 1 is a side elevation of a type-writer fastened to its support by the improved clamps, the support being shown in section. Fig. 2 is a sectional top plan view of the parts. Fig. 3 is a fragmentary transverse section in line 3 3, Fig. 1.

Similar letters of reference indicate corresponding parts throughout the several views.

A indicates a shelf, base-board, or other support on which the type-writer rests. This support is provided under opposite frame members of the type-writer, preferably its side bars B, with transverse slots *c*, having enlargements *c'* at one end. In the construction shown the enlargements are at the inner ends of the slots.

D D indicate the improved clamps, each consisting of an upper rod or bolt *d*, adapted to engage the adjacent side bar B or other frame member of the type-writer, a lower rod or bolt *d'*, passing through the companion slot *c* and provided at its lower end with a head or washer *d''*, which bears against the under side of the support A, and a turnbuckle E, connecting said rods. The heads *d''* are small enough to pass through the enlarge-

ments *c'* of the slots *c*, but wider than the latter, as shown. In the preferred construction shown in the drawings the upper rod *d* is the screw-threaded member engaging the turnbuckle, and the same is provided with a hook *d'''*, which embraces the base-frame of the type-writer, this hook having a covering *f*, of rubber or similar soft material, to prevent its marring the machine.

In fastening the machine to its support the lower rods *d'* of the clamps are passed with their heads *d''* through the enlargements of the slots *c* from the upper side of the support and shifted into the narrow body portions of the slots. The type-writer is then placed upon the support, between the clamps, the hooks *d'''* are engaged over the frame-bars B, and the turnbuckles E are finally tightened, firmly securing the machine to the support. The slots permit the clamps to be adjusted crosswise of the support to accommodate type-writers of different widths. These slots can be formed in the shelf or other support in the course of manufacture, so that when the desk leaves the factory it is ready to receive the clamps, thus avoiding the trouble and delay of subsequently boring bolt-holes in the shelf to receive the fastenings, as heretofore. As the clamps are engaged with the shelf from its upper side, they can be conveniently applied, and as their tightening members are located above the shelf they are also convenient of access. Moreover, no wrench or other tool of any kind is required to apply and tighten the clamps.

By arranging the enlargements *c'* at the inner ends of the slots *c*, as shown, they are located on the inner side of the frame of the type-writer, and as the clamps are on the outer side of the side bars of the frame the said bars act as stops which prevent the clamps from shifting inwardly far enough to allow their heads or washers *d''* to come into register with said enlargements and become disengaged from the base-board A in case the clamps should become loose. By this arrangement of the enlargements they are also concealed from view, rendering the construction more sightly than if the enlargements were at the outer ends of the slots.

I claim as my invention—

The combination of a type-writing machine, a base-board or support for the machine provided with a pair of transverse slots having

enlargements arranged on the inner sides of the side bars of the machine-frame, and a pair of clamps arranged on the outer sides of said side bars and passing through said slots, 5 respectively, each clamp being provided at its upper end with a hook which engages the adjacent side bar of the frame and at its lower end with a head capable of passing through the enlargement of the companion

slot but wider than the body thereof, substantially as set forth.

Witness my hand this 7th day of March, 1905.

ANTHONY J. THROM.

Witnesses:

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