H. BATES.

STAND FOR TYPE WRITING MACHINES.

APPLICATION FILED APR. 1, 1909.

1,081,198.

Patented Dec. 9, 1913.

FIG. 1.

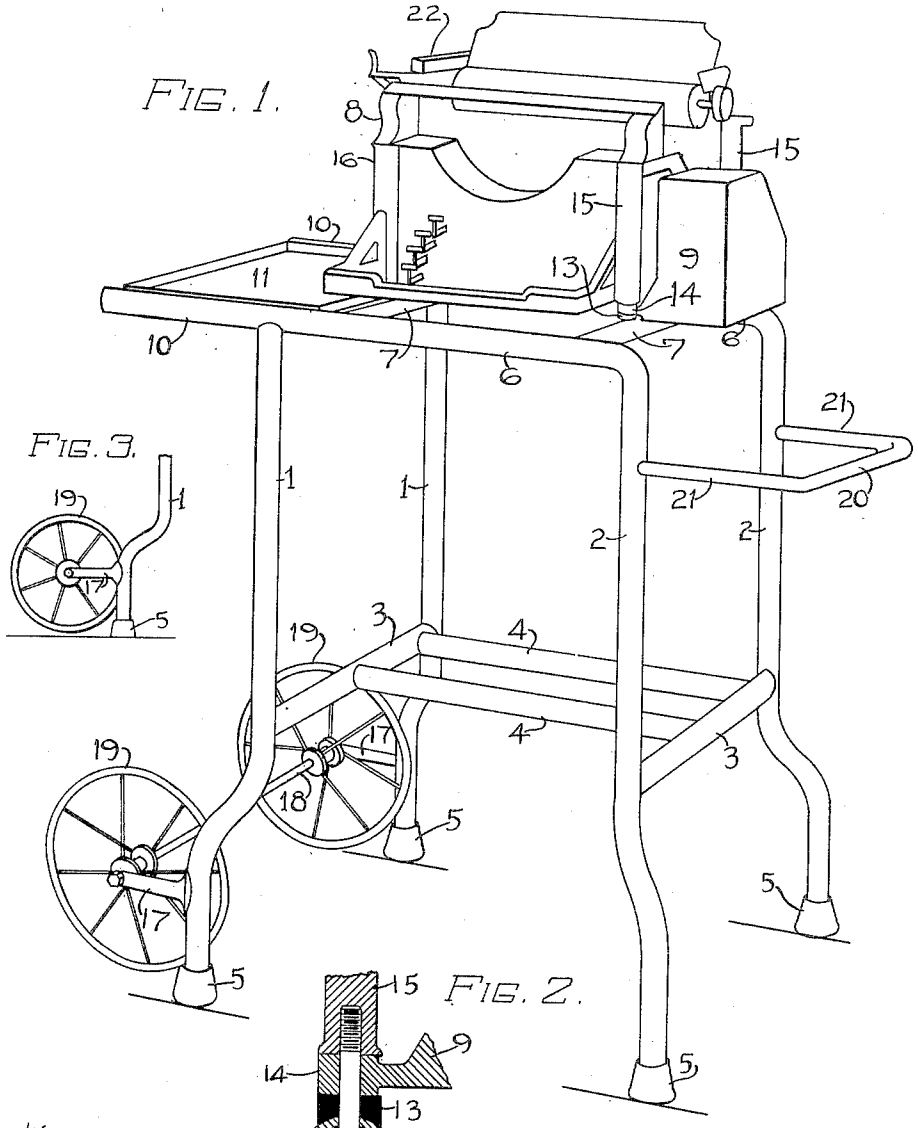


FIG. 3.

FIG. 2.

WITNESSES

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STAND FOR TYPE-WRITING MACHINES.

1,081,198. Specification of Letters Patent. Patented Dec. 9, 1913.

Application filed April 1, 1909. Serial No. 487,213.

To all whom it may concern:

Be it known that I, HARRY BATES, a citizen of the United States, residing in Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Stands for Type-Writing Machines, of which the following is a specification.

This invention relates to stands for typewriting machines, and particularly machines having attached thereto time-lock devices, which upon the deposit of a coin permit use of the machine to a predetermined extent. Typewriting machines provided with these time-lock devices (such as set forth for instance in my pending application No. 451,391, filed September 2, 1908) are especially useful in hotels, being a great convenience for temporary guests, who may wish to use the machines for a short time. It is of course necessary to shift the typewriting machines about very frequently from room to room, or between the main office and the rooms; and the principal object of my invention is to provide simple and economical means for easily transporting the machine, mounted upon a stand ready for use, from place to place in the hotel.

In the preferred form of the invention, the typewriting machine is secured directly upon the top of a skeleton stand, which is largely of tubular construction. At one end of the stand one or two wheels are mounted, which normally need not rest on the floor; the typewriter stand being wholly supported upon a complete set of legs or feet. Upon the other end of the stand is provided a handle, whereby the stand may be lifted or tilted until all of the feet are off from the floor, and the stand rests only upon the wheels. The stand may then be used in the manner of a hand truck for transporting the typewriter, the wheels being large and rubber tired, so that the machine may be conveyed about the passageways of the hotel easily and without objectionable noise.

In the accompanying drawings, Figure 1 is a perspective view of a stand embodying one form of my invention, and having secured upon the top thereof an Underwood typewriting machine provided with a time-controlled coin-operated device, such as disclosed in my said application. Fig. 2 is a sectional elevation to show the manner in which the typewriting machine and the casing of the time-controlled device are both secured to the top of the stand. Fig. 3 is a detail of one of the legs and wheels.

The stand has at one end a pair of legs 1, and at the other end a pair of legs 2 of tubular form, and connected by a system of rungs 3, 4; all of the legs being preferably provided with rubber feet 5, which normally rest upon the floor. The upper ends of the legs 2 are extended and bent horizontally to form bars 6, which are connected by two end bars 7, upon which is secured the typewriting machine 8 and time-controlled coin-operated locking device 9. At their ends the bars 6 are elongated at 10, and between them is secured a tray or table 11, to receive sheets to be used upon the typewriting machine. Screws 12, Fig. 2, pass up through the end bars 7, and through rubber feet 13, and also through brackets 14 formed on the casing of the time-controlled device, and are threaded into corner posts 15 at the right hand end of the typewriting machine. The posts 16 at the other end of the typewriting machine are also secured by screws 12 to the other end bar 7.

From the lower portions of the legs 1 arms or brackets 17 project to the left, and in their outer ends are journaled the ends of an axle 18, on which are mounted wheels 19, similar to those commonly employed upon perambulators, and preferably rubber tired, as shown. These wheels may occupy the position beneath the tray 11, thus conducing to compactness of the stand. At the other end of the stand, at a convenient height for lifting, is a handle 20, carried upon the ends of arms 21 projecting to the right from the legs 2, only far enough to give the porter convenient leverage for rolling the apparatus about.

While the wheels 19 preferably do not touch the floor while the typewriting machine is being operated, still it is not always important that they be off the floor. The grip of the legs or of the feet 5 on the floor should be sufficient, however, to prevent the stand from being moved by the operation of the carriage 22 of the typewriting machine. This carriage is relatively heavy, and it is rapidly moved both to the right and to the left when the machine is in operation,

and is suddenly arrested. The stand therefore needs to have a firm hold on the floor, and as many of the legs or feet may directly engage the floor as is necessary to secure such a hold thereon. I prefer that all four legs should stand upon the floor, to provide a firm and unyielding support for the typewriting machine; but it is obvious that in some cases the number of legs may be reduced and the wheels 19 partly depended upon to support the stand, without liability of the stand being moved about by the impact or jarring of the carriage 22, aforesaid.

Having thus described my invention, I claim:

1. A machine stand comprising a support for a machine at which an operator may sit and work and provided at one end with a carriage-wheel device having a fixed relation to the stand, the latter having at both ends legs or feet to rest directly upon the floor to prevent the stand from rolling along the floor, and a handle to lift all of said legs or feet from the floor and enable the stand to be used as a hand truck; certain of said legs having arms upon which said wheel device is mounted.

2. A stand having a top upon which may be fastened a typewriting machine at such a height that an operator may sit and operate said machine, and having legs to rest directly upon the floor, and having only at one end a carriage-wheel device, and at the other end a handle, to enable the frame to be used as a hand-truck to transport the typewriting machine; said carriage wheel device having a fixed relation to said stand, the lower edges of said wheel device being close to the feet of the nearest pair of legs.

3. A skeleton machine stand provided with a set of four legs or feet all resting directly on the floor, a pair of wheels mounted upon the stand at one end thereof to enable it to be used as a hand-truck, the treads of said wheels being just above the very near to the nearby pair of feet, and a handle upon the other end of the stand, said wheel device having a fixed relation to the stand and the latter being tiltable upon said wheels to clear all four feet from the floor so that the stand will rest only on the wheels; said stand having a top upon which a suitable machine may be mounted and said wheels mounted beneath said tray.

4. A skeleton stand provided with a top upon which a rentable typewriting machine may be fastened, said stand being provided with a tray or table on one side of the typewriting machine and also provided with a set of legs or feet to afford a complete support for the stand, a pair of wheels mounted upon the stand at one end thereof to enable it to be used as a hand-truck, the treads of said wheels being just above and very near to the nearby pair of feet, and a handle upon the other end of the stand, said wheels having a fixed relation to or position on said stand, and out of contact with the floor when the stand rests upon its feet, and said stand being tiltable upon said wheels to enable all of said feet to clear the floor so that the stand will rest only on the wheels.

5. A skeleton frame comprising two pairs of legs, a pair of longitudinal top bars integral with one pair of legs and attached to the other pair, end bars to which a typewriting machine may be attached connecting said top bars, at such a height that an operator may sit and operate said machine, said top bars prolonged at one end to carry a table or tray, means connecting the lower parts of the legs, a handle projecting from a pair of the legs at the end opposite from said tray, and a pair of wheels mounted upon the other pair of legs beneath the tray with their treads just above and near to the supporting faces of the nearby feet to enable the frame to be used as a hand-truck to transport the typewriting machine.

6. A table on which a typewriting machine which may be rented for operation, may be supported, legs for said table on which it normally rests, wheels onto which said table may be tilted to travel free of said legs, said wheels having their treads just above and near to the supporting faces of the nearby feet, and a handle on each side of the table opposite to said wheels by which handles said table may be tilted onto said wheels, said wheels being carried on brackets projecting from the pair of legs opposite the handle.

7. In combination, a table on which a typewriting machine which may be rented for operation, may be supported, legs for said table, on which it normally rests, steadying pieces for said legs arranged within the frame so that an operator may sit comfortably at said table, wheels on which said table may be tilted to travel free of said legs, said wheels having their treads just above and near to the supporting face of the nearby feet, and a handle for tilting said table.

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