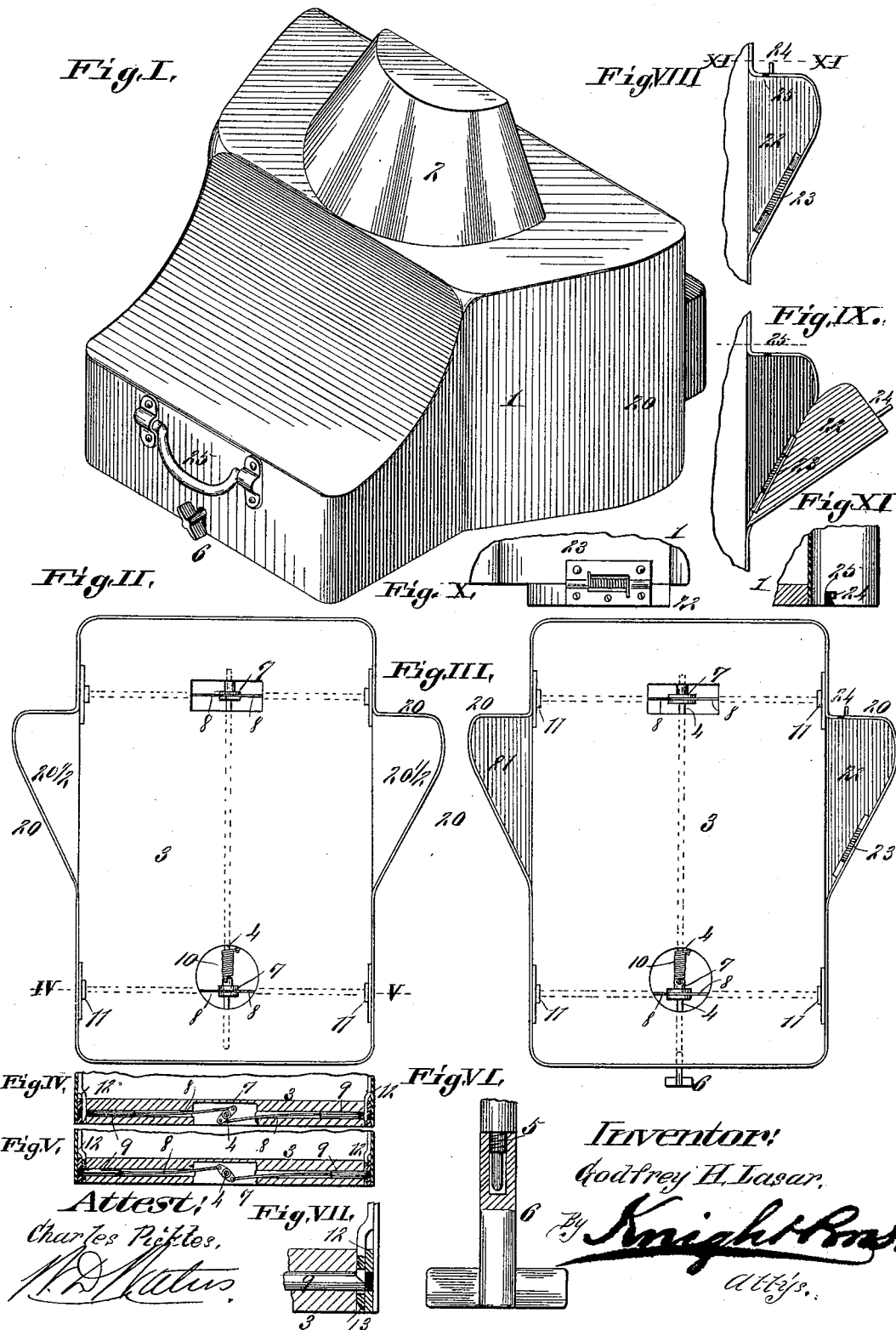


(No Model.)

G. H. LASAR.
COVER FOR TYPE WRITERS.

No. 386,139.

Patented July 17, 1888.



UNITED STATES PATENT OFFICE.

GODFREY H. LASAR, OF ST. LOUIS, MISSOURI.

COVER FOR TYPE-WRITERS.

SPECIFICATION forming part of Letters Patent No. 386,139, dated July 17, 1888.

Application filed July 19, 1887. Serial No. 244,760. (No model.)

To all whom it may concern:

Be it known that I, GODFREY H. LASAR, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Covers for Type-Writers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure I is a perspective view of my improved cover. Fig. II is a bottom view showing the base of the machine. Fig. III is a similar view showing the key in place, and showing the side wings of the cover closed, as hereinafter described. Figs. IV and V are transverse sections taken on line IV V, Fig. II, Fig. IV showing the catches in their inner position, and Fig. V showing them in their outer position. Fig. VI is an enlarged detail view showing the outer end of the rock-shaft and key, partly in section, for turning the shaft. Fig. VII is an enlarged detail view illustrating the operation of the spring-bolts. Fig. VIII is a detail bottom view showing the hinged flap closed. Fig. IX is a similar view showing the flap open. Fig. X is a detail view showing part of the flap and part of the wing to which it is hinged; and Fig. XI is an enlarged detail view taken on line XI XI, Fig. VIII.

My invention relates to an improvement in covers for type-writers, and is, in the main, suitable for any form of type-writer; and my invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Referring to the drawings, 1 represents the body of the cover, which may be made of any suitable configuration. I have shown it provided with a hood or top, 2, particularly adapted for the class of type-writers shown and described in an application filed contemporaneously herewith, numbered 244,759.

The principal part of the invention relates to the manner of securing the cover to the base of the machine.

3 represents the base of the machine, in which is journaled a rock-shaft, 4, provided with an end, 5, to receive a key, 6. The end 5 is preferably threaded, so that the key may be secured onto it to avoid danger of losing;

but this is not essential. Secured to the shaft are levers 7, at the outer ends of which are connected rods 8, carrying on their outer ends bolts 9. These bolts are held in their outer position by means of a suitable spring, 10, which I prefer to locate on the rock-shaft 4, the spring tending to rock the shaft in the direction that will throw the bolts outward.

The base of the machine is provided with openings 11, to receive perforated plates 12 on the cover 1. These plates are bent inwardly from the cover from their points of attachment, and the portions below the bends are arranged at a little distance from and parallel with the cover. The lower ends of the plates are preferably inclined, as shown at 13, Fig. VII, and the outer ends of the bolts 9 are inclined on their upper edges, as shown in Fig. VII, so that as the cover is put on and the plates 12 enter the notches 11 the inclines, coming together, will cause the bolts to be forced back, and then as soon as the perforations in the plate 12 come opposite the bolts they will spring forward, connecting the plates, and consequently the cover, to the base of the machine. It will thus be seen that all that is necessary to do is to slip the cover over the machine, and the plates 12, entering the notches 11, come in contact with the spring-bolts, and forcing the bolts back automatically, pass on down until the cover is thoroughly in place, and then the spring-bolts, being thrown forward by the spring 10, will engage in the perforations of the plates, and the cover will be effectually secured in place; and when it is desired to disconnect the cover from the base it is only necessary to apply power to the key and rock the shaft 4 in a direction to withdraw the spring-bolts, and the cover can be removed.

The key 6 is made removable, so that when it is taken out the cover will be locked upon the machine, as the inner end of the rock-shaft will be located within the base of the machine and not exposed to view.

The cover may be provided with wings 20, to take in (as will be necessary in some machines) the graduated rail of the carriage. These wings may be left open at the bottom, (see Fig. II,) or they may be closed. If left open, of course merely small openings 20½ appear, (if the machine is turned upside down,)

but not such openings as will allow access to the machine. These wings, when closed, would preferably have a fixed piece, 21, secured in one of them, as shown in Fig. III, and a hinged piece or flap, 22, secured to the other one, to assist in placing the cover on the machine. In putting the case on, the fixed piece can be placed under one end of the rail, and then, the cover being moved laterally, (so that the rail will be within the fixed piece,) the cover can be dropped down, the hinged piece being turned back, as shown in Fig. IX. The hinged piece is preferably provided with an automatic means of closing it—as, for instance, an ordinary spring-hinge, 23, which would draw the piece in as soon as released. It may also be provided with a pin, 24, that would engage a catch, 25, on the end of the wing to which it is secured. By using these pieces the dust will be thoroughly excluded from the machine.

26 represents a handle by which the machine can be carried.

I claim as my invention—

1. In combination with the cover of a typewriter, the inwardly-bent and downwardly-extending plates 12, secured to the cover on the inside thereof near its lower edge, rock-shaft 4, secured to the base of the machine, lever 7, secured to the rock-shaft, and spring-bolts connected to the levers, substantially as and for the purpose set forth.

2. In combination with the cover of a typewriter, having wings 20, the pieces 21 and 22, the piece 22 being hinged to one of the wings, substantially as and for the purpose set forth.

3. In combination with the cover of a typewriter, having wings 20, the pieces 21 22, the piece 22 being hinged to one of the wings and provided with a pin fitting in a catch on the wing, substantially as and for the purpose set forth.

GODFREY H. LASAR.

In presence of—

GEO. H. KNIGHT,
JOS. WAHLE.