

S. W. TURNER.
TYPE WRITING MACHINE.
APPLICATION FILED SEPT. 9, 1909.

1,008,394.

Patented Nov. 14, 1911.

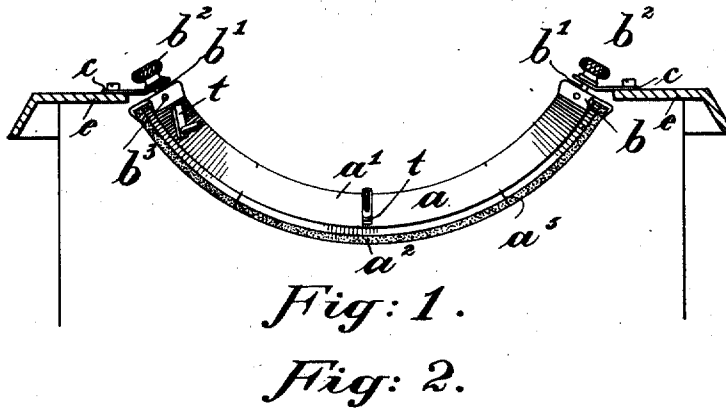
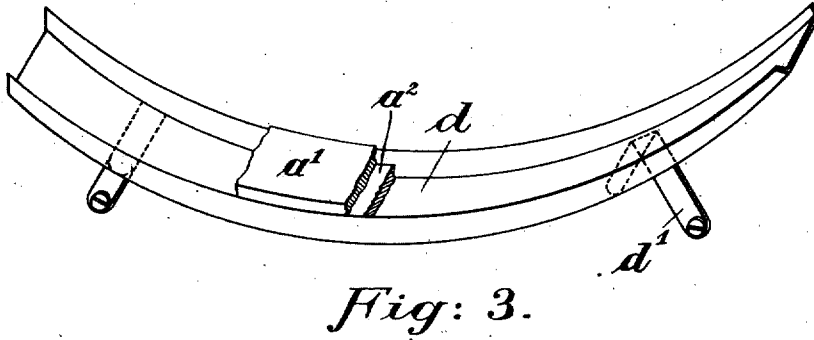
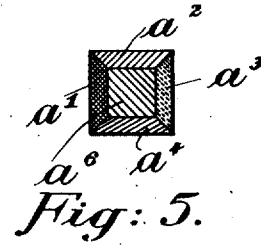
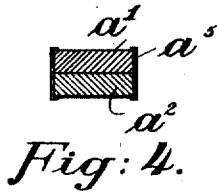
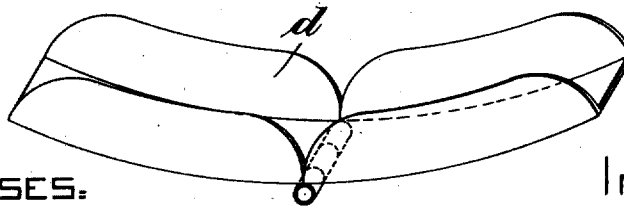


Fig. 2.



WITNESSES:

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TYPE-WRITING MACHINE.

1,008,394.

Specification of Letters Patent. Patented Nov. 14, 1911.

Application filed September 9, 1909. Serial No. 516,963.

To all whom it may concern:

Be it known that I, SAMUEL WILLIAM TURNER, a subject of the King of Great Britain and Ireland, residing at 11 Douglas road, Canonbury, in the county of London, England, have invented new and useful Improvements in Type-Writing Machines, of which the following is a specification.

This invention relates to inking pads, especially the inking pads used in typewriters, and more especially the inking pads used in the Yost typewriter: its object being to form the felt or body of the pad (which supports or holds the ink) in such a manner as to enable more than one side or part of the felt to be used for type inking purposes, means being provided to enable the several different inking surfaces to be brought into co-action with the printing type at different times by a turning or twisting movement causing a fresh inking surface of the pad to come in contact with the printing type as required. The main body of the pad may be slung or supported by its ends, or it may be held in a suitable framework, or other suitable means. The pad support, clip, or framework may be pivoted, held or supported in any suitable manner on any convenient support such for example as the frame of the typewriter, or other type inking mechanisms. A tray serves not only to keep the pad in position, but also serves as an ink and pad felt protector. To facilitate the easy turning or moving of the main body of the pad, I form on the pad support, or pad fastening, a handle, knob or such like adapted to indicate the kind and color of ink used. The pad attachment which holds the pad to the typewriter or other support may be slotted for the ready removal of the pad proper, also for changing or altering the inking surfaces of the pad. If for example, a strip of felt of a suitable length, having a four-sided surface (*i. e.* square) is taken and the whole of these surfaces are inked, when the type has acted on one surface, three surfaces will still be unused, and by bringing these unused surfaces into action one after another, the pad will thus have a four-fold life. I merely describe this as an illustration as any shaped felt or pad may be used, whereby a number of inking surfaces may be made on the one felt or pad main body. Furthermore, different colored inks or different kinds of inks

can be used on the one pad. In the case where different kinds or different colored inks are employed I may make the pad felt sectional, or of several layers or parts, and separate the layers or parts with a non-porous or non-absorbent material such as metal, rubber, wax or the like, which will keep the different inks separated.

In order that the invention may be the better understood, I will now proceed to describe the same in relation to the accompanying drawing, reference being had to the letters and figures marked thereon.

Like letters refer to like parts in the various figures.

Figure 1 is a view of a pad made in accordance with my invention, mounted on supports attached to the frame of a typewriter. Figs. 2 and 3 show different forms of trough shaped pad supports which can be used when such support is necessary. Fig. 4 is a section of a double pad, and Fig. 5 is a section of a quadruple pad.

Referring to Fig. 1, *a* is an inking pad composed of two layers *a*¹ and *a*², *a*¹ being red and *a*² being black, by way of example. At the end of the pad *a*, clips *b* are attached by means of rivets *b*³, or any other suitable fastening. The said clips carry a stem or pivot member *b*¹ on to which a milled head *b*² is attached. The stem *b*¹ passes through holes in the bearing plates *c*, which are supported on or form part of the supporting device *e*, which in the illustration given is the top plate of a typewriter like the Yost Visible. It will be noticed that the pad hangs in a substantially semicircular formation depending from the bearing plates *c* by the stems *b*¹ and a sufficient amount of free movement is left for the stem *b*¹, to enable the whole pad to be turned about the axis of the two stems by means of the milled heads *b*². The types *p* normally rest with their printing faces against the operative face of the inking pad; and when the pad is turned, as by operating the milled heads *b*², the portion that is in normal contact with the types will be changed so as to present a fresh inking surface thereto.

In cases where it is necessary to provide some form of support for containing the pad *a*, I may use a trough *d* as shown in Fig. 3, having projecting flanges, which are substantially at right angles to the bottom of the trough at the center portion thereof,

and flare outward toward the end. The trough may be supported fixedly in position by means of brackets a^7 .

In Fig. 2, the trough is divided in half, 5 hinged together at the center and is supported by means of the spindle of the hinge. This trough has its flanges parallel to one another, and at right angles to the bottom of the trough, and is adapted to hinge so 10 that when the pad is to be turned so as to present a fresh surface, the two halves of the trough are turned downward so as to enable the turning action to take place.

In Fig. 4, we show a double strip pad, for 15 two colors similar to that illustrated in Fig. 1. On the non-operative sides thereof, I arrange a series of clips a^5 , in order to keep the two sections of the pad in relative position one to the other.

20 Suitable indicating devices, preferably associated with the heads b^2 , may be provided to indicate when the different inking surfaces are in use.

In Fig. 5, the pad a is made up of a central 25 core a^6 of a non-porous and non-absorbent material such as a square spiral spring, rubber or the like, and the different felt layers a^1 , a^2 , a^3 , and a^4 , are attached to the central core in any suitable way, such as 30 by sewing or any equivalent means.

I claim:—

1. A multi-faced inking pad consisting of a plurality of layers of flexible absorbent material, supports at each end of the pad, 35 the pad being rotatable on said supports to present the various faces of the pad to be contacted with the type, substantially as described.

2. A multi-faced pad consisting of a plurality 40 of layers of flexible absorbent material, means for separating said layers from one another through part at least of their extent, means for maintaining said layers connected to one another, depending means 45 at each end of the pad, and means for rotatively carrying such depending means on a suitable support, substantially as described.

3. A multi-faced inking pad having a plurality 50 of layers of flexible absorbent material and means for turning said pad to present one or other of its inked surfaces for

operative contact with type in combination with a supporting trough adapted to hold the pad and to allow it to be turned therein, 55 substantially as described.

4. In a typewriting machine, the combination of printing types, an inking pad against 60 which the types normally rest, and means for turning said pad to vary the portion in normal contact with the types.

5. In a typewriting machine, the combination of an inking pad, a pivot member connected thereto, a fixed bearing for said pivot 65 member, and means for manually at will turning said pad to vary the portion presented for inking purposes.

6. In a typewriting machine, the combination of a segmental inking pad, pivot members secured at the ends of said pad, and 70 fixed bearings for said pivot members, the pad being pivotally movable to vary the part presented for contact with the types.

7. In a typewriting machine, the combination of a segmental inking pad, pivot members secured at the ends of said pad, fixed 75 bearings for said pivot members, and finger pieces connected with said pivot members for turning said pad to vary the portion presented for inking purposes.

8. In a typewriting machine, the combination 80 of a rotatable inking pad having a plurality of inking surfaces, and a support for said pad.

9. In a typewriting machine, the combination 85 of a pivotally mounted inking pad comprising a plurality of inking surfaces, and means for turning said pad at will to present any desired inking surface for coöperation with the types.

10. In a typewriting machine, the combination 90 of types, a rotatably mounted inking pad, and means for at will turning said pad to vary the portion of the surface thereof that is presented to the types.

In testimony whereof I have signed my 95 name to this specification in the presence of two subscribing witnesses.

SAMUEL WILLIAM TURNER.

Witnesses:

RICHARD A. HOFFMANN,
CHARLES J. R. BULLOUGH.