March 17, 1925. 1,530,309

J. DURKIN

CONNECTER FOR TYPEWRITER ERASERS AND BRUSHES

Filed Jan. 25, 1923

Fig. 1.

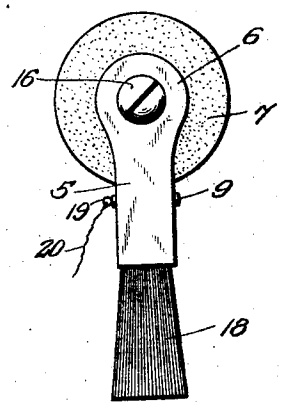


Fig. 5.

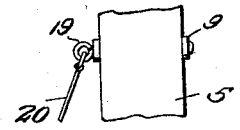


Fig. 2.

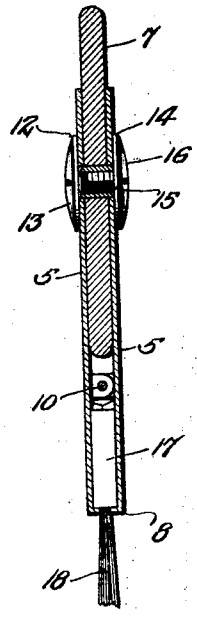


Fig. 3.

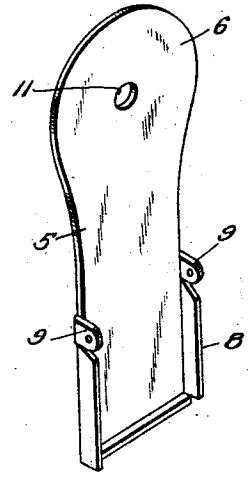
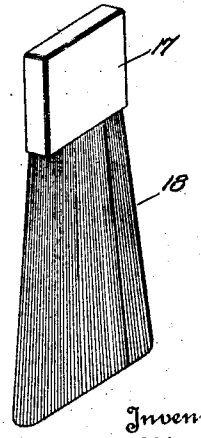


Fig. 4.



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UNITED STATES PATENT OFFICE.

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CONNECTER FOR TYPEWRITER ERASERS AND BRUSHES.

Application filed January 25, 1923. Serial No. 614,805.

To all whom it may concern:

Be it known that I, JAMES DURKIN, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Connecters for Typewriter Erasers and Brushes, of which the following is a specification.

The present invention relates to connecters for typewriter erasers and brushes and is designed primarily to provide means for releasably engaging these two elements.

Objects of this invention are to provide means of simple construction which effectively retain an eraser and brush in close proximity for convenient use by a typist; to provide means for releasably connecting the eraser and brush to permit replacement of either of the latter without inconvenience and at a minimum expense; and to provide inexpensive means of this character which may be manipulated with facility by a typist and will avoid wastage of a portion of the eraser as is now customary.

Co-ordinate objects of the invention will be apparent from the following description of the present preferred form of the invention taken in connection with the accompanying drawings, wherein:—

Fig. 1 is a side elevational view of a device constructed in accordance with the present invention illustrating the application thereof with an eraser and brush;

Fig. 2 is a longitudinal sectional view of the same;

Fig. 3 is a perspective view of one of the eraser and brushing clamping plates;

Fig. 4 is a perspective view of the type of brush employed in the present invention; and

Fig. 5 is a detail enlarged fragmentary elevational view of the connecter.

The invention consists especially of a pair of complemental plates 5 each of which is of substantially oblong configuration with one terminal 6 thereof enlarged and provided with a circular margin, this terminal embracing a face of an eraser 7. The opposite end of each plate has the marginal edges thereof bent inwardly at right angles to provide a brush retaining flange 8. In close proximity to the free terminals of the flange 8, portions of the lateral margins of each plate are extended and bent inwardly to provide ears 9 which are apertured. The ears 9 of one plate overlap the ears of the other plate and are pivotally connected together by a pin 10 which extends through the apertures of said ears.

The terminal end 6 of each plate is provided with an opening 11, which registers with the usual central opening formed in a typewriter eraser. The plates embrace the opposite faces of the typewriter eraser in a manner similar to the method in which the eraser is embraced by circular plates, at the present time. Suitable means is employed for securing the eraser from displacement which at the same time will permit the eraser to be rotated so as to permit equal usage of the latter completely around its periphery. In the present instance, a threaded male and female connection is employed. This connection consists of a female member 12 the shank of which is tubular and extends completely through both plates as well as the eraser, as shown in Fig. 2. The shank has an enlarged head 13 formed on one end thereof in which a kerf is formed to facilitate disengagement of the connection when desired. The male member of said connection is indicated at 14 and comprises a threaded shank 15 which engages the inner periphery of the tubular shank of the female member and is equipped with a relatively large head 16 provided with a kerf therein. This form of means for connecting the plates with the eraser is practical and incumbersome although it is to be understood that other means may be employed which are equally practical and adaptable for use in this connection.

The type of brush employed in the present invention is preferably of the construction shown in Fig. 4 consisting of a head 17 of rectangular configuration with bristles 18 issuing from one of the margins thereof. The head 17 is adapted for engagement between the plates 5 at the end opposite to that which embraces the eraser 7. The head is held from displacement by the flanges 8, the latter having portions thereof removed at one end to permit projection of the bristles 18 therethrough. The margins of the reduced portions of the flange embraces the bristles 18 at the jointure of the latter with the head 17.

The pivot pin 10 may be of any desired construction, but by preference the pin is formed from a strand of wire one end of which is convoluted to provide an eye 19 which is adapted to be engaged by one end

of a cord 20 to permit attachment of this device to the typewriter, to prevent loss or misplacement of the eraser and brush.

In use of this invention the ends 6 of the plates are first urged together causing the plates to move on the pin 10 as an axis and causing the brush engaging ends of the plates to be separated. The brush head 17 can then be urged between the plates in an apparent manner following which the eraser 7 may be inserted between the ends 6 of the plates and secured therebetween in a manner heretofore described. The eraser, besides being revoluble to permit even usage thereof is also removable from between the plates so that the eraser may be used in its entirety. The eraser may be quickly replaced at a very small expense. The brush, too, may be quickly removed when desired and replaced at a relatively small expense.

Various changes may be made in this device especially in the details of construction, proportion and arrangement of parts within the scope of the appended claims.

What is claimed is:—

1. A combined brush and eraser holder including a pair of hingedly connected plates adapted to receive an eraser therebetween at one end, fastening means extending through said plates and eraser to rotatably and detachably support the eraser between the plates, and flanges formed on the plates to hold the brush from displacement.

2. Means for connecting a typewriter eraser and brush including plates having the eraser and brush mounted therebetween, marginal flanges formed on said plates to retain the brush from displacement, the plates being pivotally connected together to permit compression of the same, when the eraser is removed, to release the brush.

3. Means for connecting a typewriter eraser and brush including pivotally connected plates having the eraser and brush mounted therebetween, extensions formed on said plates to prevent displacement of the brush, and means to secure the eraser between the plates, said means being disengageable from said plates and eraser to permit removal of the eraser and compression of the plates for releasing the brush.

4. A device as described including a pair of plates hingedly connected intermediate their ends and adapted to clamp an object therebetween at each end of the plates, means extending through said plates and through one of said objects to rotatably support the latter and to clamp the plates into engagement with said objects, and right angled flanges formed on said plates to hold the other object from displacement.

JAMES DURKIN.