No. 837,279. PATENTED DEC. 4, 1906.

C. K. BRADFORD.

PLATEN FOR TYPE WRITERS.

APPLICATION FILED FEB. 3, 1906.

Fig. 1.

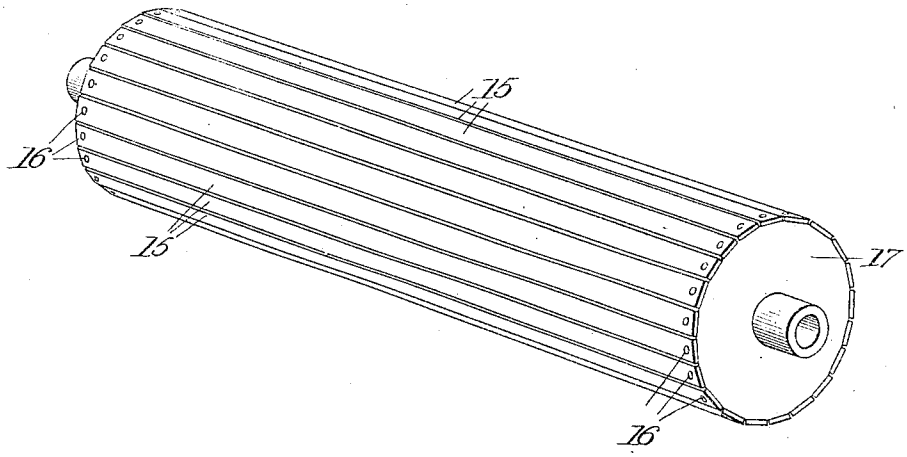


Fig. 2.

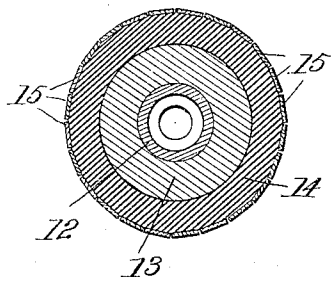
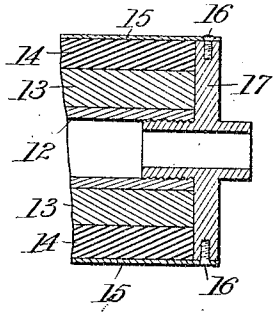


Fig. 3.



WITNESSES:

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PLATEN FOR TYPE-WRITERS.

No. 837,279. Specification of Letters Patent. Patented Dec. 4, 1906.

Application filed February 3, 1906. Serial No. 299,341.

To all whom it may concern:

Be it known that I, CHARLES K. BRADFORD, of Lynnfield, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Platens for Type-Writers, of which the following is a specification.

This invention has for its object to reduce to a minimum the noise and clatter caused by the impact of the printing characters of a type-writer against the paper supported by the platen.

The invention consists in a type-writer platen having a face composed of resilient hard-surfaced wear-resisting sections, preferably of thin tempered sheet metal, such as steel, and a yielding noise-muffling backing for said sections supported by the body of the platen, the said sections being independent of each other to such an extent that the vibrations of each section will be absorbed by the yielding backing.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a perspective view of a type-writer platen embodying my invention. Fig. 2 represents a transverse section of the same. Fig. 3 represents a longitudinal section.

The same numerals of reference indicate the same parts in all of the figures.

In carrying out my invention I provide a type-writer platen having a rigid body portion, which may be of any suitable construction, the same being here shown as composed of a rigid metallic tube 12 and an enlargement 13, the said tube or enlargement being preferably formed by paper wound in a compact roll upon the tube 12. I do not limit myself, however, to this construction and may construct the rigid body of the platen in any other suitable way.

14 represents a noise-muffling member, which is formed as a cover for the rigid body and may be composed of any suitable yielding material, such as soft rubber, felt, or the usual composition of glue, glycerin, and molasses used for printers' rolls. The member 14 constitutes a support or backing for the acting face of the platen, said face being composed of strips or sections 15 15, of hard-surfaced resilient material, preferably sheet-steel. The sections 15 are placed in close proximity to each other, edge to edge, and are secured at their end portions to the platen in any suitable way, preferably by being attached by rivets 16 or otherwise to rigid outwardly-projecting end flanges 17, affixed to the rigid body of the platen. The sections 15 are of uniform width and are so arranged that the printing characters of the type-writer will strike each section when it is brought into operative position about midway between its edges. I consider it preferable to slightly separate the adjacent edges of the sections, so that they will not be in actual contact with each other.

A platen constructed as above described does not possess the resonant qualities of the ordinary platen, so that the noise caused by the impact of the printing characters against the paper supported by the platen is very much reduced. Hence the objectionable noise attending the operation of type-writers with ordinary platens is obviated.

I do not limit myself to the details of construction above described, as the construction may be variously modified without departing from the spirit of my invention.

I claim—

1. A type-writer platen having a face composed of resilient, hard-surfaced, wear-resisting sections with their edges in close proximity, and a yielding, noise-muffling backing for said sections.

2. A type-writer platen comprising a sectional face of resilient, hard-surfaced, wear-resisting material, the sections having their edges in close proximity, a rigid body portion, and a yielding, noise-muffling backing interposed between the body and the sectional face.

3. A type-writer platen comprising a rigid body having outwardly-projecting flanges at its end portions, resilient sheet-metal strips attached at their ends to said flanges, said strips having their edges in close proximity, and a yielding, noise-muffling backing interposed between the body and the said strips.

In testimony whereof I have affixed my signature in presence of two witnesses.

CHARLES K. BRADFORD.

Witnesses:

C. F. BROWN,

E. BATCHELDER.