

197: TYPEWRITING MACHINES,

185- Cleaners, Automatic.

No. 781,581.

PATENTED JAN. 31, 1905.

E. G. ALLEN.

TYPE CLEANING DEVICE FOR TYPE WRITERS.

APPLICATION FILED APR. 13, 1904.

Fig. 1.

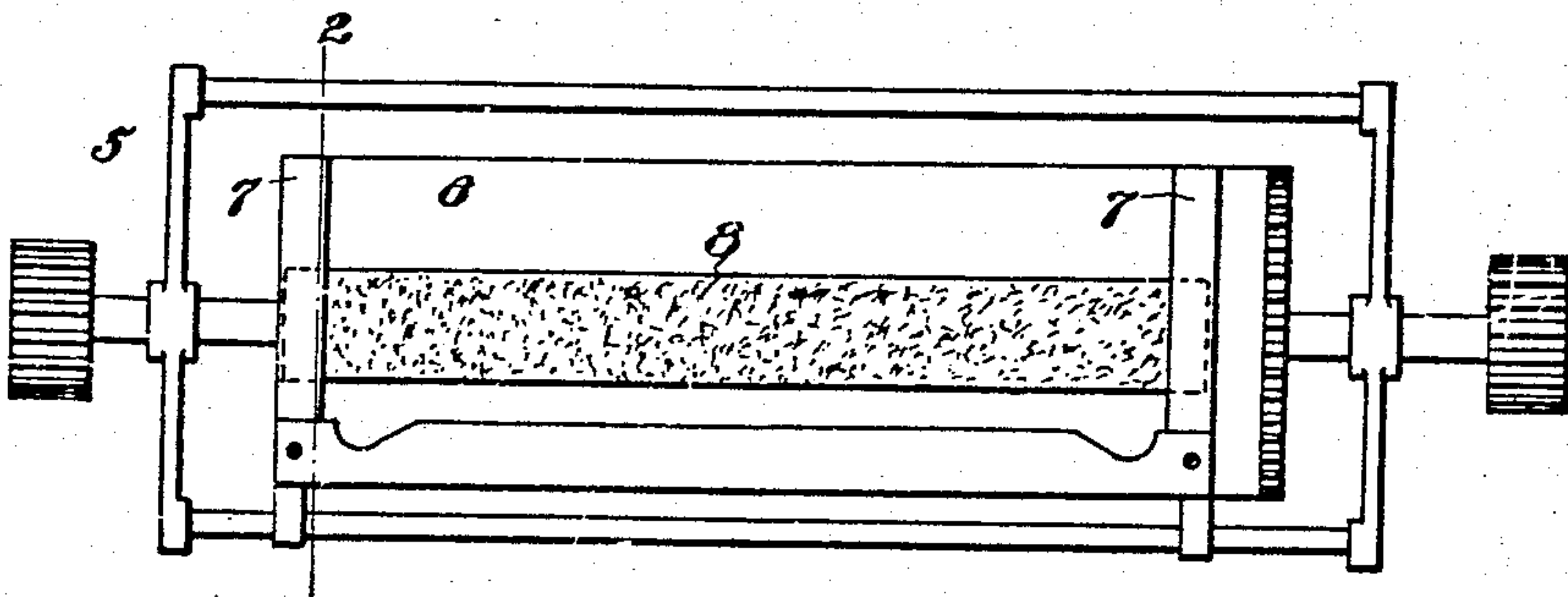
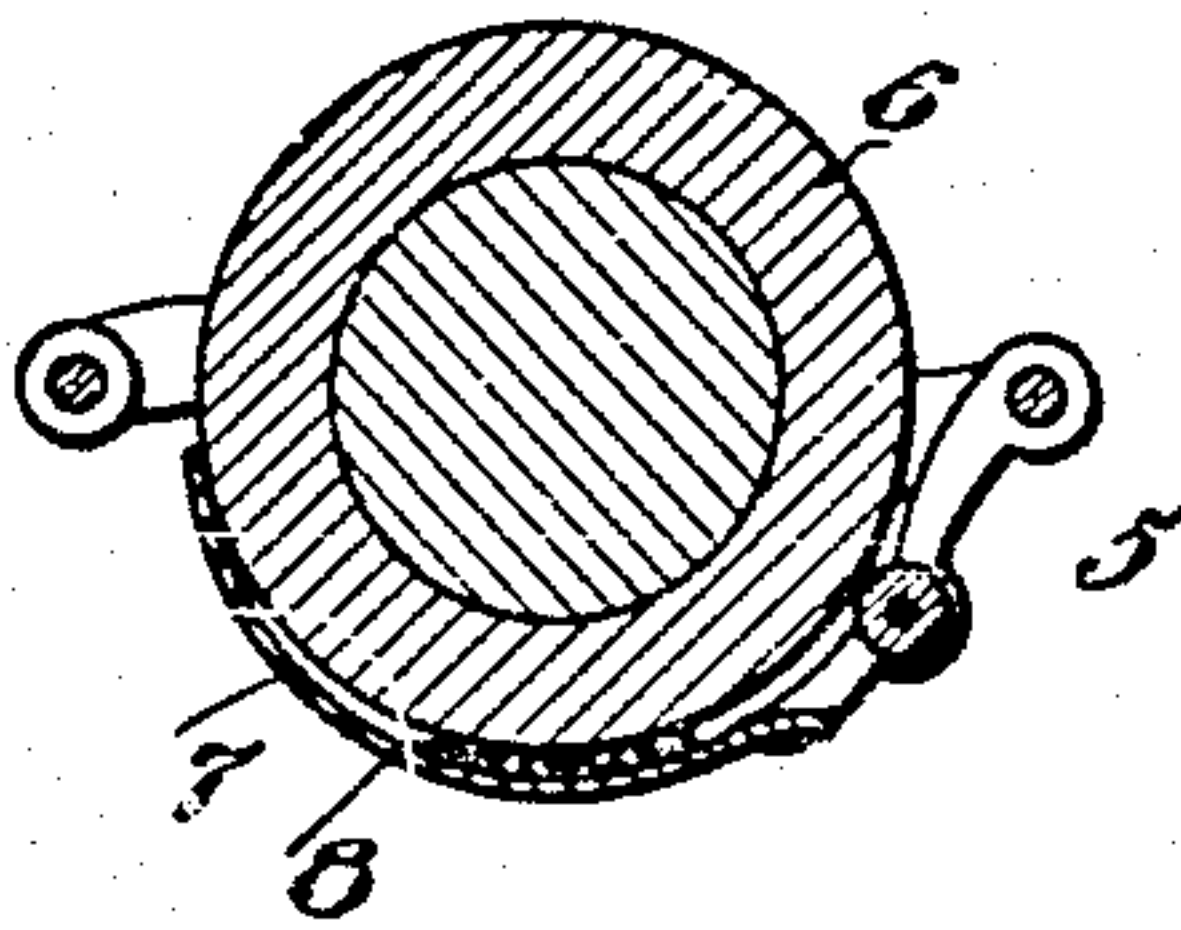


Fig. 2.



Witnesses

J. A. Garron.

M. A. Schmidt.

Edward G. Allen Inventor
by Wm. B. Stevens & Co. Attorneys

UNITED STATES PATENT OFFICE.

EDWARD G. ALLEN, OF COATESVILLE, PENNSYLVANIA, ASSIGNOR TO
NATIONAL TYPEWRITER NOVELTY COMPANY, OF NEW YORK, N. Y.

TYPE-CLEANING DEVICE FOR TYPE-WRITERS.

SPECIFICATION forming part of Letters Patent No. 781,581, dated January 31, 1905.

Application filed April 13, 1904. Serial No. 202,945.

To all whom it may concern:

Be it known that I, EDWARD G. ALLEN, a citizen of the United States, residing at Coatesville, in the county of Chester and State of Pennsylvania, have invented new and useful Improvements in Type-Cleaning Devices for Type-Writers, of which the following is a specification.

My invention relates to a device for cleaning the type of a type-writer, and more particularly that kind which is attached to the platen and is adapted to be struck by the type. Devices of this kind have been found to be objectionable, as by reason of their construction and the manner in which they are secured to the platen they injure the type and throw them out of alinement.

The object of the invention is to obviate this objectionable feature and also to provide a cleaner which shall be simple, inexpensive, and thoroughly efficient.

A further object is to provide a cleaner which can be readily applied to any machine without in the least altering the construction thereof.

In the accompanying drawings, Figure 1 is a bottom plan view of a portion of the paper-carriage of a type-writer, showing the cleaner in operative condition. Fig. 2 is a cross-section on the line 2 2 of Fig. 1.

Referring specifically to the drawings, 5 denotes the paper-carriage of a type-writer, and 6 the platen, which has the usual paper-fingers 7 for holding the paper. The cleaner is indicated at 8 and comprises a strip of felt or similar fabric, which is placed on the platen and held thereon under the fingers 7 in the same manner as a sheet of paper.

In operation the keys will be struck as usual, which will bring the faces of the type in contact with the cleaner, the inking-ribbon being pushed aside, so as to give free play to

the type. The fabric will be chemically prepared, a number of elements being applied thereto which will render it effective for thoroughly removing and absorbing all dirt, dried ink, and grit from the faces of the type when they are brought in contact therewith. The carriage will be fed along and the platen can be rotated as when writing, whereby a new working surface is presented to the type, and thus enables the entire surface of the cleaner to be utilized for the cleaning operation.

The cleaner has no metal or stiff backing of any kind and being soft and pliant will therefore not injure the type or throw it out of alinement as it is struck thereby, which is frequently the case where a cleaner is used which is supported on a metal plate or a brush having a rigid hard back.

The device is readily applied and can be used on any machine without in the least altering its construction.

Having thus described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A cleaner for type-writers comprising a soft, pliant strip of absorbent fabric impregnated with a detergent compound and carried by the paper-fingers and rotatable with the platen.

2. A cleaner for type-writers comprising a pliant strip of absorbent fabric impregnated with a detergent compound and constructed to fit between the paper-fingers and the platen, and rotatable with the latter.

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

EDWARD G. ALLEN.

Witnesses:

HARRY S. WOODWARD,
H. M. WOODWARD.