PATENT SPECIFICATION

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COMPLETE SPECIFICATION.

Improvements in or connected with Instructional and Children's Typewriters.

We, BING-WERKE vorm. Gebruder Bing A-G., of 16, Blumenstrasse, Nurnberg, Germany, a German joint stock company, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The invention relates to the upper carriage in instructional and children's typewriters, and consists in elastically mounting the strip for guiding the paper, on the same shaft of the undercarriage on which the upper carriage is mounted in the form of a simple bow. The shaft serves at the same time as a seating for the springs for the paper guide, and a flange, bent from the web of the bow serves as a fulcrum for the lever of the change key. This simplifies and cheapens the construction of the carriage.

Our invention will be clearly understood from the following description aided by the annexed drawings which show one example of carrying the invention into effect and in which

Figure 1 represents an elevation of part of the carriage, viewed from the rear, and Figure 2 a cross section of the carriage along the line A—A of Figure 1.

Screwed on to a transverse wall *a* of the machine frame are the guide bars *b*, *b*, which serve to guide the undercarriage, which consists substantially of a longitudinal plate *c* with bent-over guide bars and an attached bow *d* of iron strip. A continuous shaft *e* is rotatably mounted in the legs of the bow *d* and supports the upper carriage composed of a bow *f* of iron strip carrying the platen *g*. According to this invention, the shaft *e* of the undercarriage also serves for mounting the paper guide strip *h*, which is provided for this purpose, with eyes *i* surrounding the shaft *e*. The guide strip is kept pressed against the platen *g* by springs *k*. The springs *k* are also carried on the shaft *e*. One end of the springs bears against the paper guide *h*, whilst the other end of each projects through small holes in the web of the strip iron bow *f*. Bearing lugs *q* for mounting the paper guide roller *p* are bent out from the guide strips *h*. The paper guide *h* is prevented from moving laterally by the interposition of spacing tubes *m* between the eye bearings *i* and the legs of the bow *p*.

The outward swing or travel of the upper carriage and therefore of the platen about the shaft *e*, is effected by means of a flange *n* bent out from the web of the bow *f*, and against which the change-key lever *o* presses from below. The flange *n* which serves as an abutment for the change-key lever, is therefore integral with the web plate of the bow *f*.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. In instructional and children's typewriters, mounting the upper carriage frame, formed as a simple bow and the elastically mounted strip for guiding the paper on one and the same shaft of the under carriage.

2. In instructional and children's typewriters according to Claim 1, mounting the springs which press the paper guide

[*Price* 1/-]

against the platen on the shaft of the under-carriage.

3. In upper carriage mounting, according to Claim 1, forming the web plate of the bow of the upper carriage with a downwardly bent flange which serves as an abutment for the change key lever.

4. The upper carriage of instructional and children's typewriters substantially as described and shown on the annexed drawings.

Dated this 4th day of February, 1926.

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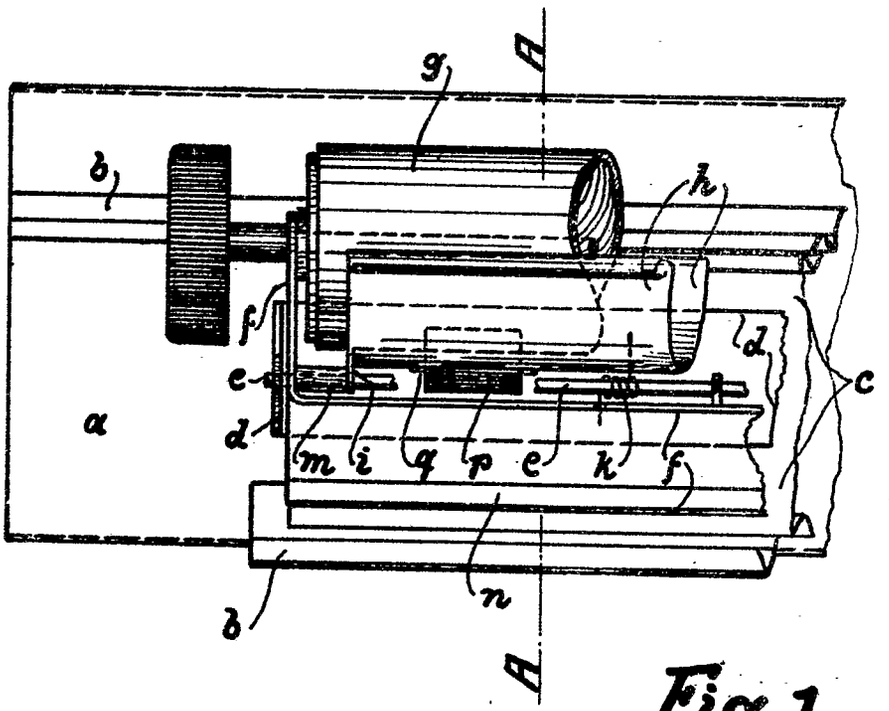

Fig. 1

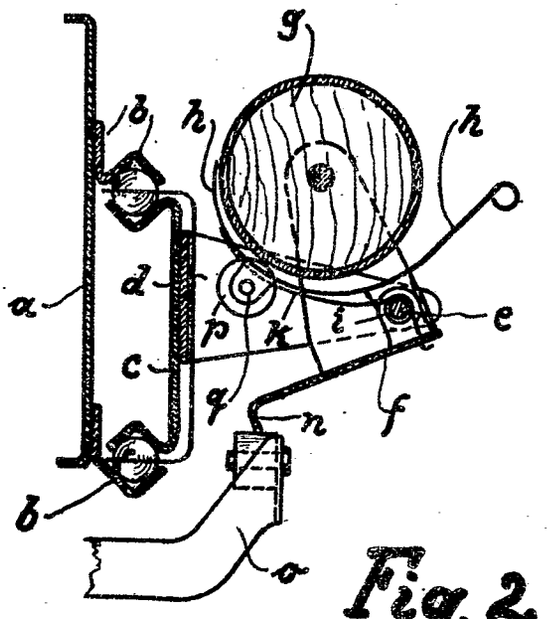

Fig. 2

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