PATENT SPECIFICATION

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253,092

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COMPLETE SPECIFICATION.

Improvements in or connected with Framework for 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 a simple and cheaply produced bearing frame for instructional and children's typewriters. Said frame consists according to the invention of a bearing plate in one piece bent in the form of a U, the special arrangement of which provides bearings for the entire mechanism with the exception of the carriage and its guide. The U shaped bearing plate consists of a broad sheet metal web, corresponding to the width of the machine, and from which, two end members, arranged to form side walls, project obliquely and parallel to each other towards the keyboard.

The drawing illustrates a typical embodiment of the invention, Figure 1 being an elevation of the bearing plate, Figure 2 a plan and Figure 3 a side elevation.

The bearing plate, which is made in one piece, consists of a broad web *a*, the length of which corresponds to the width of the machine, and of its two end members *b* and *c*, which extend obliquely towards the keyboard (not shown) and are arranged so as to form two horizontal flanges *d* and *e* and two vertical edges *f* and *g*. The ends of the members *b*, *c* are extended in the triangular form shewn in Figure 3, in the lower tip of which is mounted a shaft *h* for carrying the spacing lever *i*. A channeled guide bar *k* for the key levers is screwed on to the two flanges *d* and *e*, and another plate (not shown) is secured to the underside of the guide bar *k* having depending flanges or plates in which can be mounted the shaft for the key levers and spindles for holding the ends of the springs connected to the key levers, and forms, in combination with the U shaped bearing plate, a stable frame in which all parts of the machine, except the carriage system, are mounted and secured. On the under side of the web *a* of the bearing plate are carried two eye lugs *l* and *m*, which serve to mount a shaft *n* for the shift key frames *p*, *q*, *r*. On the upper side of the web *a* is the quadrant *s* for the type levers. In order to stiffen the web *a*, its front edge is bent round to a flange *t*.

Consequently, the form given to the bearing plate enables the U shape guide bar for the key levers, with the plate and flanges for mounting the key levers, to be attached, the spacing and shift keys to be mounted, and the quadrant for the type levers to be secured. Since the escapement frame with the feed pawls (not shown) is also mounted on the spacing-key shaft *h* the whole of the key levers, type levers and feed mechanism are mounted, as an integral unit, on the bearing plate, an arrangement advantageous from the point of view of mass construction and greatly simplifies assembling the machine. The whole is inserted into, and bolted to, a sheet metal casing (not shown).

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. A bearing frame for instructional and children's typewriters, comprising a U shaped bearing plate in one piece, which consists of a broad sheet metal web

[*Price* 1/-]

for the attachment of the type lever quadrant and for mounting the shift-key frame, and of two oblique end members arranged as side walls, which carry a channel shaped guide bar for the key levers, and the common shaft for the spacing key and the escapement frame.

2. A bearing frame for instructional and children's typewriters, constructed substantially as described with reference to the annexed drawings.

Dated this 20th day of May, 1926.

H. GARDNER & SON,
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173—4—5, Fleet Street, London, E.C. 4,
Agents for the said Applicants.

Redhill: Printed for His Majesty's Stationery Office, by Love & Malcomson, Ltd.—1926.

[This Drawing is a reproduction of the Original on a reduced scale.]

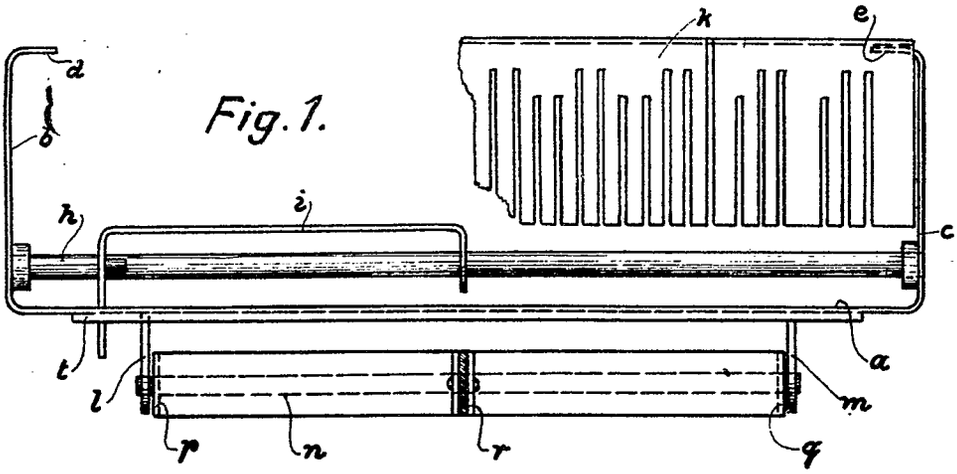

Fig. 1.

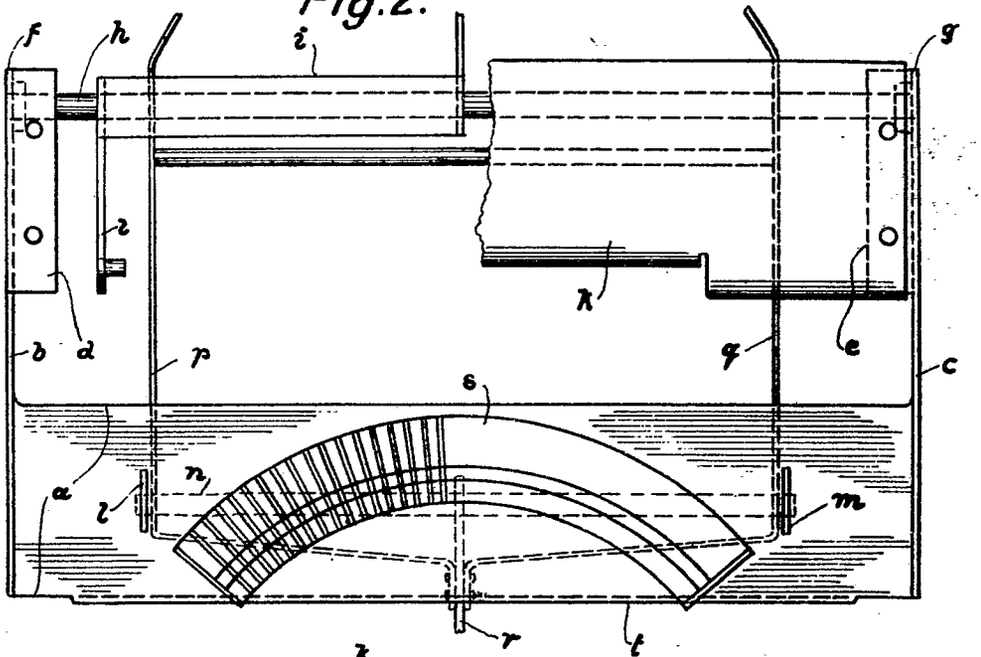

Fig. 2.

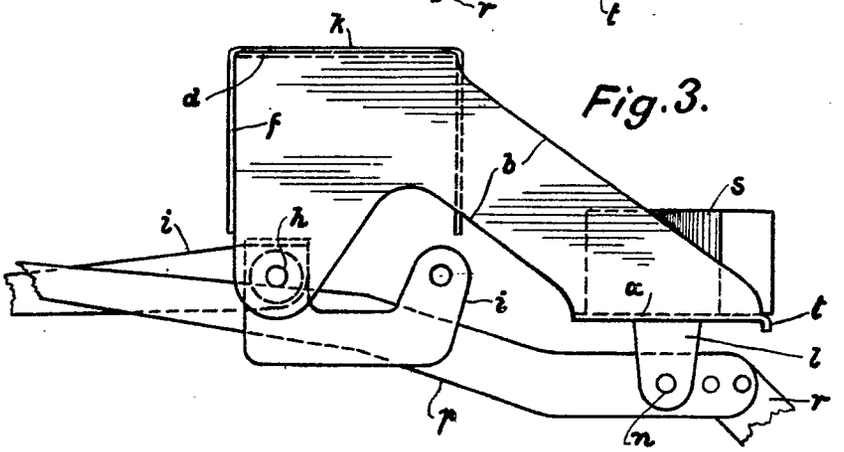

Fig. 3.

Charles & Read Ltd. Photo Litho.