

PATENT SPECIFICATION



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COMPLETE SPECIFICATION.

Sheet Metal Frame for Instructional and Children's Typewriters.

I, LYNWOOD FERDINAND GARDNER, of 173, 174 and 175, Fleet Street, London, E.C.4, British subject, do hereby declare the nature of this invention (which has been communicated to me from abroad by Bing-Werke vorm Gebrüder Bing A.G., of 16, Blumenstrasse, Nurnberg, Germany, a German joint stock company) and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to a stamped sheet metal frame for instructional and children's typewriters. According to the invention this frame consists of two parts, one of which serves to support a bearing plate carrying the whole of the key lever, type lever and carriage-feed mechanism, and the other to support the whole of the carriage mechanism. The first part consists of a wide sheet of metal, bent in the form of a U, and having in its web surface a gap in the shape of a quadrant, whilst the ends have inwardly projecting flanges. On the open front side of the sheet metal body rests the sheet keyboard frame, and on its rear side is screwed a rectangular cover plate provided with two narrow longitudinal flanges, said cover plate forming the second part of the frame of the typewriter and carrying the guide rails for the carriage.

The invention is illustrated in the drawings. Figure 1 being an elevation, with partial cross section through the frame, Figure 2 a plan of same and Figure 3 a section along the line A—A of Figure 1.

The frame consists of a U-shaped sheet metal body, stamped and bent in one piece, having the web plate *a* and the two end walls *b* and *c*, which are bent round below to form the flanges *d* and *e*. The open front side of the sheet metal body is stiffened by narrow, bent over

flanges *f*, *g*, *h*. Flat strips of iron *i* and *k* are provided for strengthening the supporting flanges *d* and *e* (Figure 3), the feet *l* being screwed to said strips. The web plate *a* is cut away, in the form of a quadrant, at *m*, the circumference of which is hemmed by a marginal flange *n* which holds the type lever support *o*. The keyboard frame plate *p* is welded on to the two vertical stiffening flanges *f* and *g*.

A cover plate *q* is slipped on to the rear side of the U-shaped body by means of its narrow longitudinal flanges *r* and *s*, and is secured by two upper and two lower screws *t* and *t*¹, so that it can be easily mounted and detached. The two guide rails *w* and *x* for guiding the carriage are screwed onto the cover plate *q*, in the centre of the upper part of which is a gap *u* to provide room for the carriage-feed mechanism.

The arrangement of the frame simplifies the assembling of the typewriter to an extraordinary degree. The key lever, type lever and carriage-feed mechanism are mounted and secured on a bearing plate, which is not further described here, so that this complete unit can be pushed into the U-shaped body as a whole from the rear side and screwed to the two end walls *b* and *c*. When this has been done, the cover plate *q* with its guide rails and the whole of the carriage device, is slipped on to the rear side of the U-shaped body, and fastened by screws.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, as communicated to me by my foreign correspondents, I declare that what I claim is:—

1. A sheet metal frame for instructional and children's typewriters, characterised in that it consists of a sheet metal body bent to the shape of a U,

[Price 1/-]

to the rear side of which is detachably secured a cover plate carrying the guide rails for the carriage.

- 5 2. A sheet metal frame for instructional and children's typewriters, characterised in that it consists of a sheet metal body bent to the shape of a U, with inwardly projecting flanged ends, with a gap in its web surface of quadrant shape, a sheet metal keyboard frame
10 secured to the front, and a rear cover plate provided with flanges for engaging over the body and carrying guide rails

for the carriage, substantially as described.

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3. A sheet metal frame for instructional and children's typewriters constructed substantially as described with reference to the annexed drawings.

Dated this 4th day of June, 1926.

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

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

