

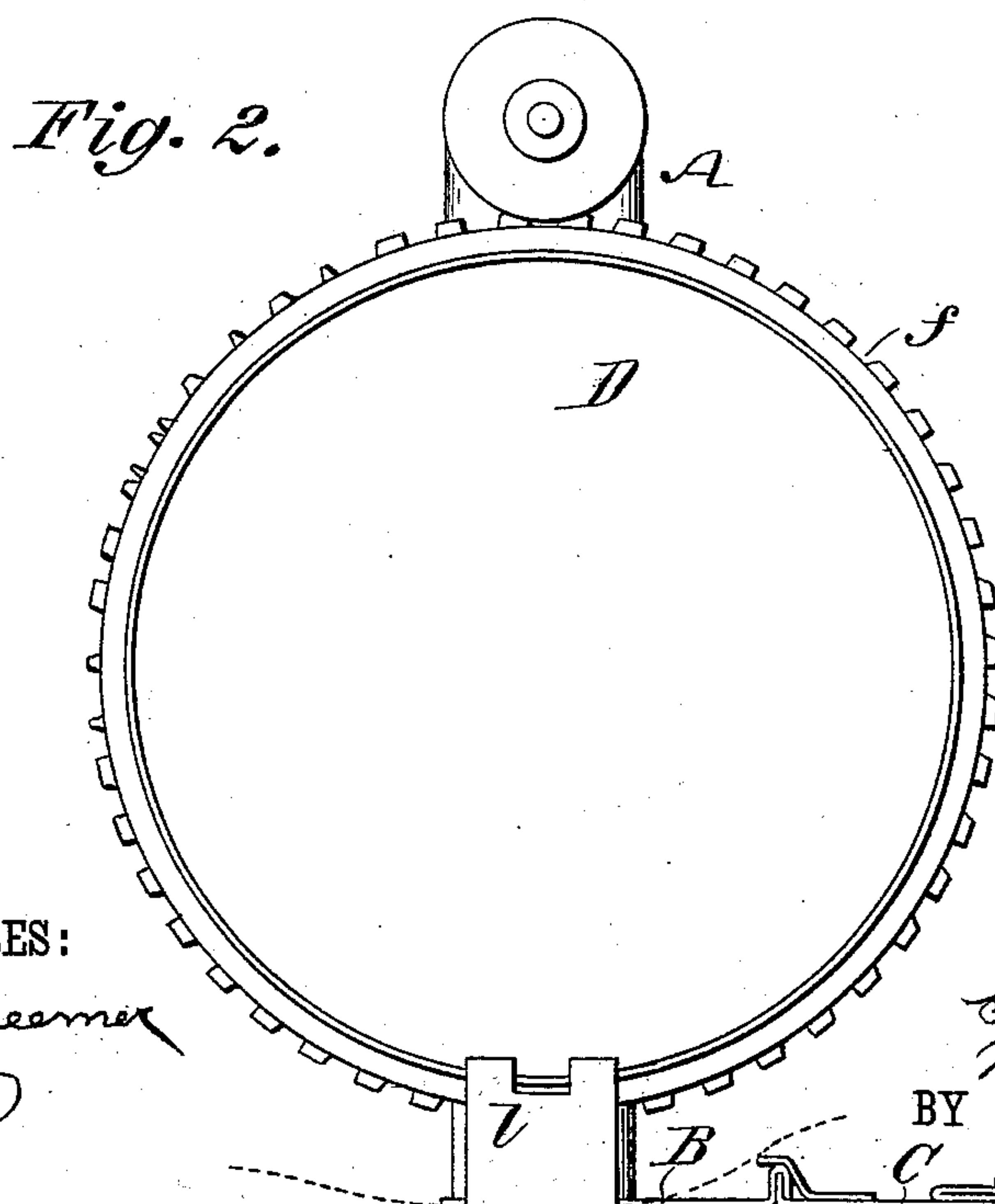
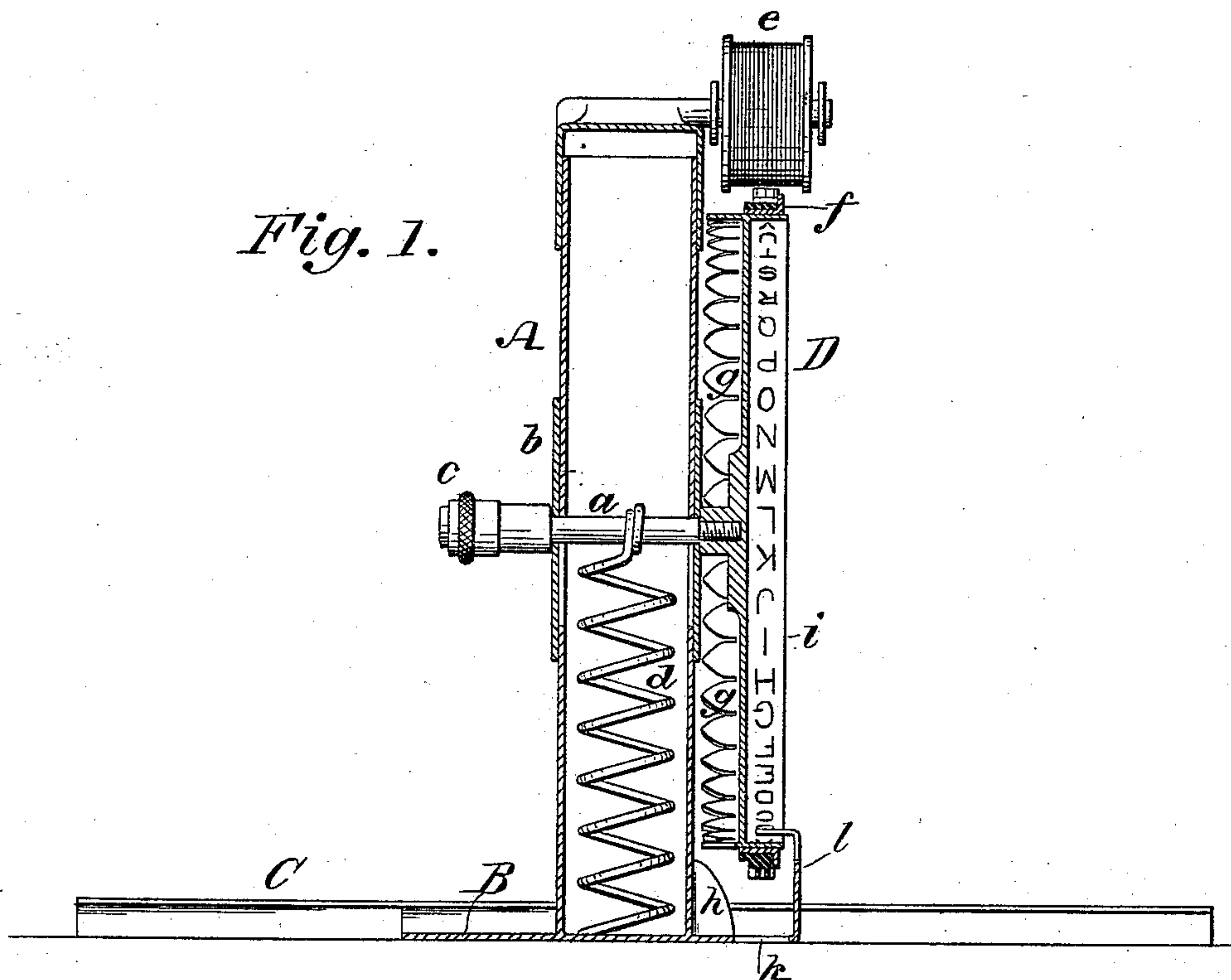
(No Model.)

G. H. HERRINGTON & D. G. MILLISON.

TYPE WRITING MACHINE.

No. 299,785.

Patented June 3, 1884.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE H. HERRINGTON AND DAVID G. MILLISON, OF WICHITA, KANSAS.

TYPE-WRITING MACHINE.

SPECIFICATION forming part of Letters Patent No. 299,785, dated June 3, 1884.

Application filed May 23, 1883. (No model.)

To all whom it may concern:

Be it known that we, GEORGE H. HERRINGTON and DAVID G. MILLISON, both of Wichita, in the county of Sedgwick and State of Kansas, have invented a new and Improved Type-Writer, of which the following is a full, clear, and exact description.

The object of our invention is to furnish a simple and inexpensive type-writer, capable of being used for printing words and sentences for the amusement and instruction of children, and so simply constructed and easily operated that any child can readily use it for the purpose of acquiring a knowledge of spelling, composing, and punctuating correctly.

The invention consists in the peculiar construction and arrangement of parts, as hereinafter fully described, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a vertical transverse section of our improved type-writer. Fig. 2 is a front view of the same.

A is a hollow post, made of sheet metal or other suitable material, and affixed to a base-plate, B, that is turned up or grooved at one side to fit a groove in a guide or ruler, C, which serves to steady the machine, and at the same time serves as a guide for the surface to be printed upon. The base-plate B slides freely upon the guide or ruler C, and can be detached from either end thereof.

D is the type-wheel, attached to a spindle or axis, *a*, which passes through vertical slots in the post A.

b is a tube or box fitted to slide upon the post A, and carrying the axis *a* of the type-wheel, so as to hold the same securely and steadily, while allowing it to be moved up and down upon the post.

c is a knurl upon the axis *a*, for use in turning the type-wheel D.

d is a spiral spring within the post A, and attached to the axis *a*, so that it tends to press the axis and the type-wheel upward for retaining the type in contact with an inking pad or roller, *e*, which is fixed upon the top of the post A. The letters or characters upon the

type-wheel are to be made of vulcanized rubber or any other suitable composition, and secured to a non-elastic band or rim, *f*, that is made to fit closely upon the periphery of the type-wheel. This construction allows the letters or characters to be readily changed, so that any style or size may be used. The type-wheel is formed with an inner flange, cut with V-shaped notches that form projections *g*, each notch being opposite a letter upon the wheel, so that when the wheel is pressed down the notch of any particular letter will pass upon the knife or guide *h*, that is fitted upon the base-plate B, by which means the type-wheel is held correctly in place, and a proper alignment of the printing is secured. In place of these V-shaped notches, there may be perforations in the flange to pass over a pin fastened upon the base. The type-wheel is also provided with an outer flange, *i*, that is marked with the letters and characters corresponding to those upon the face of the type-wheel, so that they serve as a guide in the printing operation. The base-plate B has an opening, *k*, beneath the type-wheel, at which the printing is done by the type being pressed through the opening; and the base is also formed with a front flange, *l*, that projects over above the flange *i* of the type-wheel, so as to serve as a guide for showing when any letter is in the correct position for being printed from.

This device is simple and inexpensive, and can be readily used for the purpose of printing words and letters.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. The combination of the vertically-slotted hollow post A, the grooved fixed ruler C, the slide-base B, detachable from either end of said ruler, the type-wheel D on axis *a*, the upwardly spring-pressed slide-box *b*, carrying said axis, and the inking-pad *e*, journaled on a shaft fixed on top of the post, whereby there is formed a type-writer, adapted to be used as described.

2. In a type-writer, the combination, with the standard A, having the slotted base B, and the inking-roller *e*, secured to the upper end of said standard, of the type-wheel D, constructed substantially as herein shown and

described, and journaled in yielding bearings on said standard, as and for the purpose set forth.

3. In a type-writer, the combination, with the hollow slotted standard A, the base B, and the inking-roller *e*, secured to the upper end of said standard, of the type-wheel D, axis *a*, sliding boxes *b*, and spring *d*, arranged within the post and secured to said axis and base, substantially as herein shown and described.

4. In a type-writer, the combination, with the hollow standard A and the vertically-

movable type-wheel D, having letters or characters on its inner and outer faces, and provided with the lateral projections *g*, of the base B, provided with the guide *h*, the opening *k*, and the flange *l*, integral with the base-plate, and projecting over the rim of the type-wheel, substantially as herein shown and described.

GEORGE H. HERRINGTON:

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Witnesses:

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