

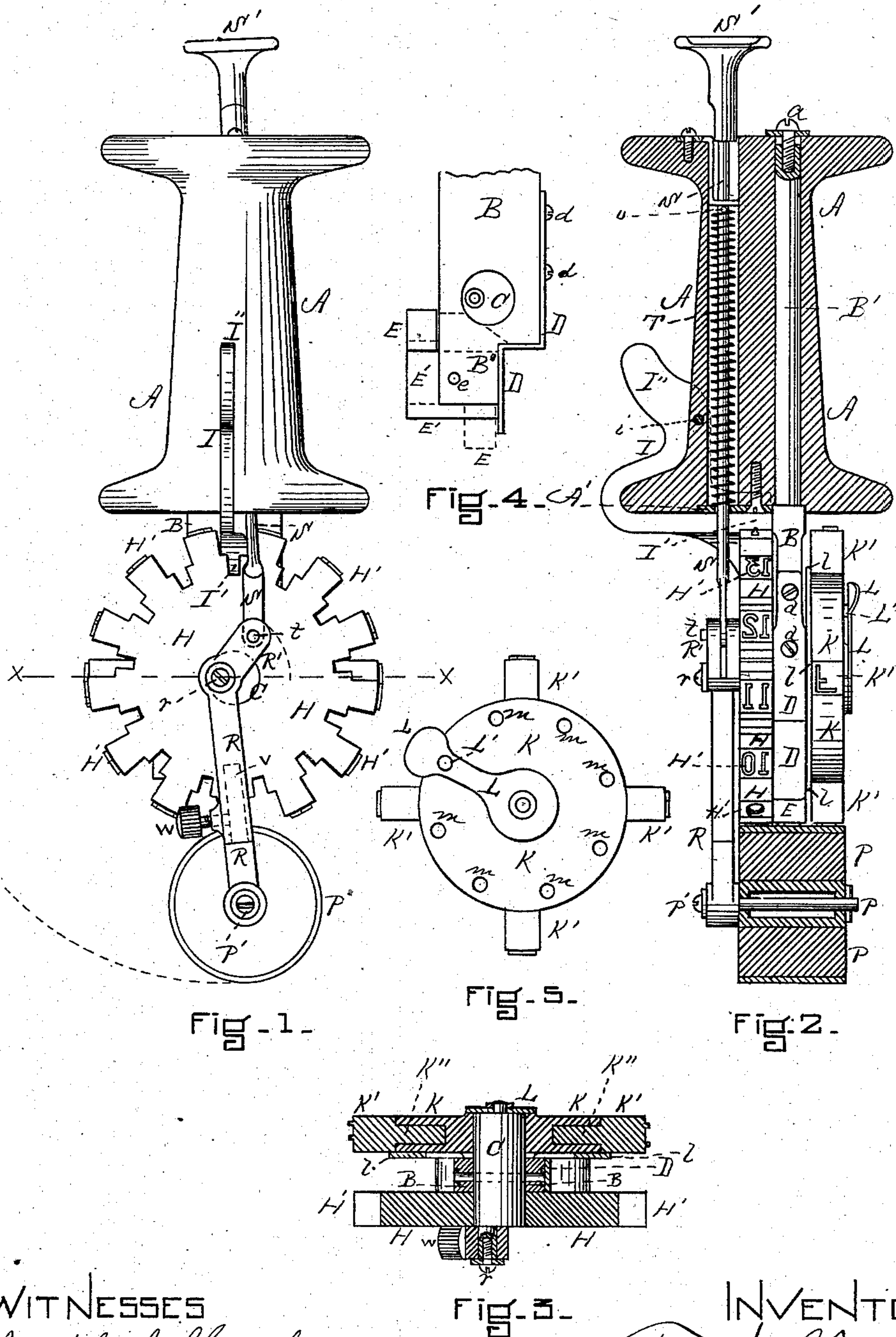
(No Model.)

F. VENN.

DEVICE FOR MARKING BOOTS, SHOES, AND OTHER ARTICLES.

No. 284,149.

Patented Aug. 28, 1883.



WITNESSES
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DEVICE FOR MARKING BOOTS, SHOES, AND OTHER ARTICLES.

SPECIFICATION forming part of Letters Patent No. 284,149, dated August 28, 1883.

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

To all whom it may concern:

Be it known that I, FRANK VENN, of Malden, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Devices for Marking Boots, Shoes, and other Articles, of which the following is a specification.

This device is constructed more especially for marking the sizes, widths, &c., on the soles or heels of boots and shoes; but it may be used to mark cases, &c., containing them, or even other articles.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is an elevation of my device. Fig. 2 is a vertical section of the same. Fig. 3 is a section on line *x*, Fig. 1. Fig. 4 is a detail view or elevation of that portion of the device which marks the $\frac{1}{2}$ sizes in shoes removed. Fig. 5 is an elevation of the disk which marks the widths.

A is the handle, to which is rigidly secured by means of the screw *a* in the shank B the piece or bar B, extending downward from the handle, and of substantially the shape shown in Figs. 2 and 4. Fixed immovably in this bar B is the pivot C. This bar B, which is preferably narrowed at its outer end, as at B'', is provided with a spring, D, conforming to the shape of the edge of said bar, and secured to it at *d*, and projecting a little below the lower extremity of the bar B.

E is a type-block, upon which are cut the figures " $\frac{1}{2}$," for marking half sizes, pivoted at *e* to the bar B, which is slotted to receive the thin shank E' of said type-block. The type-block E is swung into position for use, as in Fig. 2 and broken lines in Fig. 4, by pressing back the spring D, which holds it in either position securely.

Loose upon the pivot C is the wheel H, having on its periphery type-blocks H', numbered from "1" to "13," inclusive, said numbers denoting different sizes. In order to hold this wheel H in any desired position, a lever, I, is pivoted at *i* in a slot in the handle A. The arm I' of this lever extends into and fits in one of the spaces between the type-blocks H', and the arm I'' is used in releasing or locking the wheel H, as indicated. Also loose upon the

pivot C is the wheel K, having type-blocks K' on its periphery, usually lettered "F M N W," to denote widths. These type-blocks K' (as may also be the type-blocks H') are removable, being provided with round shanks K'', and prevented from turning by means of an annular ring or plate, *l*, secured to the rear side of the wheel K, and lying against the type-blocks K'. The wheel K is held in any desired position by means of the spring L, one end of which is rigidly secured to the pivot C, and the other or free end is provided with a bolt or projection, L', which drops into any one of the holes *m*, as desired.

P is an inking-roller, pivoted at P' to the bent lever, of which R is the long and R' the short arm, said lever being pivoted eccentrically at *r* to the pivot C. A rod, S, is pivoted at *t* to the short arm R' of the lever, and passes through the handle A, and is provided with the thumb-piece S' above it. A spring, T, surrounds this rod S, and is confined between the portion A' of the handle A and the pin *u* in said rod. By pressing the thumb-piece S', (the device being held with the hand clasping the handle A, and the thumb on the thumb-piece, with the inking-roller and marking-wheels down, as in the drawings,) the inking-roller is swung eccentrically away from the marking-wheels in the direction of the broken line in Fig. 1, and the type-blocks which are lowest are pressed upon the shoe-sole. By releasing the thumb-piece S', the inking-roller is allowed to fly back into its normal position (shown in Figs. 1 and 2) and ink the type-blocks, when by a pressure of the thumb-piece the inking-roller is again swung back out of the way and another shoe-sole marked. Of the type-blocks H' on the wheel H, denoting sizes, one is always in position to receive ink and to mark. The type-block E on the bar B, denoting one-half a size, may be swung back, as in Fig. 4, or in position for use, as in Fig. 2. The type-blocks K' on the wheel K may be in position for use, as in Fig. 2, or not, as desired, the position depending on which hole *m* the projection L' of the spring L is dropped into.

In order to allow for wear of the inking-roller P, the arm R of the lever is preferably made extensible, as shown in broken lines in

Fig. 1, where a dowel-pin, *v*, from one part of the arm extends into the other part, and a set-screw, *w*, holds it in any desired position.

The number of type-blocks on the wheels
5 may be varied as desired.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A device for marking boots, shoes, or other articles, consisting, essentially, of the following parts, viz: the handle A, one or more marking-wheels loose upon a pivot, C, supported from said handle and having type-blocks on their peripheries, said marking-
10 wheels being adapted to be held in any desired position, and an inking-roller supported and operated by the lever R R' and rod S S', said lever being pivoted eccentrically to the pivot C, whereby the inking-roller may be swung
15 20 eccentrically away from the marking-wheels,

all combined and arranged substantially as and for the purpose set forth.

2. The combination, with the handle A and bar B, of the type-block E E', pivoted at *e* to said bar, and the spring D, all constructed and
25 arranged substantially as and for the purpose described.

3. The combination of the handle A, provided with the bar B, in which is fixed the pivot C, the type-block E, pivoted at *e* to said
30 bar and spring D, the rod S, provided with the thumb-piece S', the spring T, the lever R R', pivoted eccentrically to the pivot C, the wheels H and K on the pivot C, and the inking-roller P, all combined and arranged sub-
35 stantially as and for the purpose set forth.

FRANK VENN.

Witnesses:

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