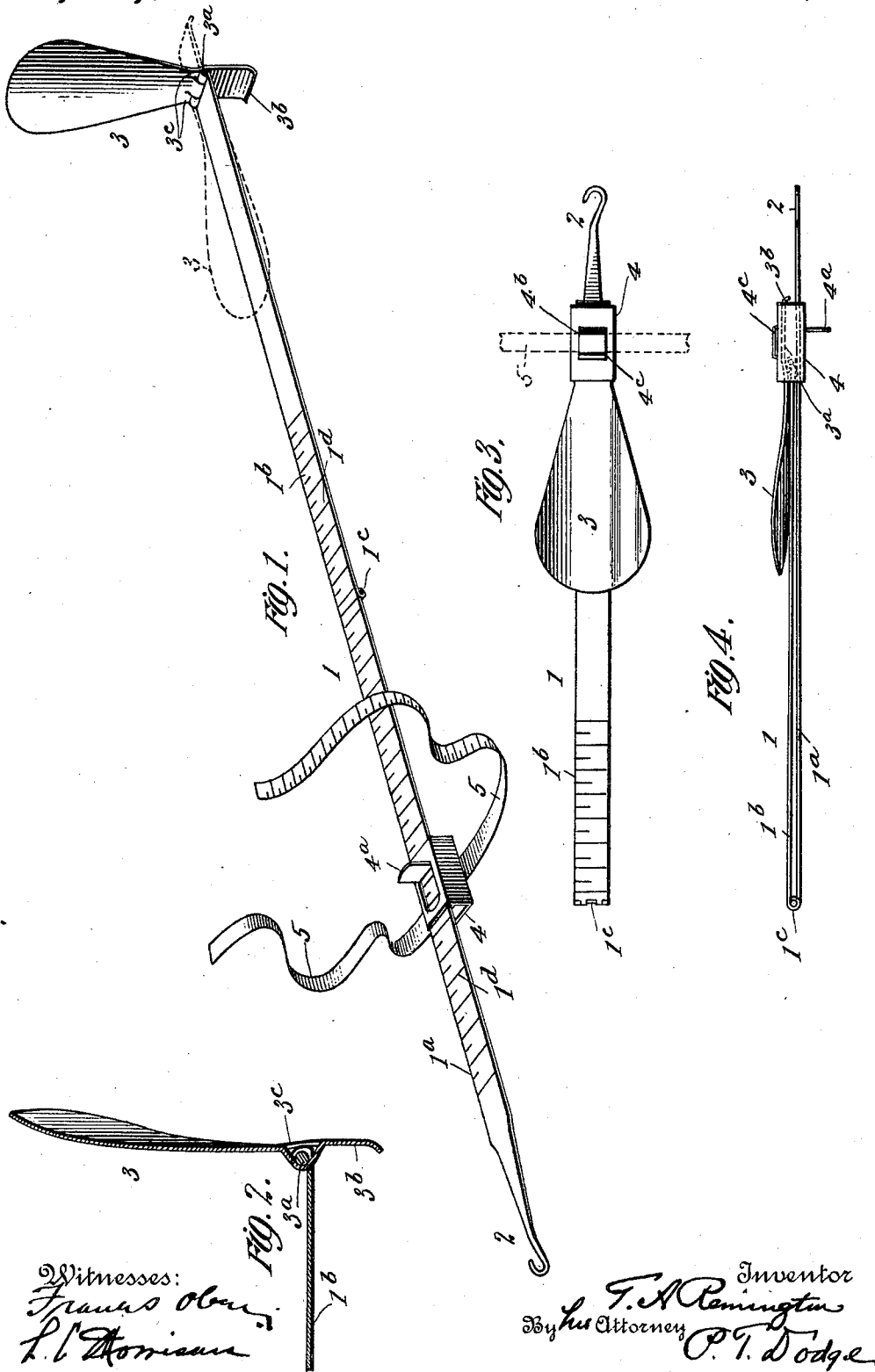


T. A. REMINGTON.
COMBINATION TOOL.
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1,029,767.

Patented June 18, 1912.



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UNITED STATES PATENT OFFICE.

THOMAS A. REMINGTON, OF CRYSTAL LAKE, ILLINOIS.

COMBINATION-TOOL.

1,029,767.

Specification of Letters Patent.

Patented June 18, 1912.

Application filed June 14, 1911. Serial No. 633,166.

To all whom it may concern:

Be it known that I, THOMAS A. REMINGTON, of Crystal Lake, county of McHenry, and State of Illinois, have invented a new and useful Improvement in Combination-Tools, of which the following is a specification.

This invention relates to a combination tool designed for use by shoe dealers and salesmen, and the invention consists of a single structure in which there is combined, in neat, foldable and compact arrangement, a button-hook, a shoe-horn and a foot measure.

The structure embodying these several elements comprises, in its preferred form, a body portion consisting of folding sections provided with measuring graduations, a button-hook on the end of one of the sections, a shoe-horn connected with the other section so as to serve as a heel stop in measuring the foot, and hinged thereto to fold against the section, whereby the device may be folded into compact form with the sections and shoe-horn lying flatly side by side.

The invention also consists in combining with the graduated body portion, a sliding member formed to constitute a toe-stop to cooperate with the heel-stop in measuring the length of the foot, and adapted to carry a measuring tape for measuring the transverse dimensions of the foot, the said sliding member being adapted also to hold the parts of the device in folded condition.

The invention consists also in the details of construction and combination of parts hereinafter described and claimed.

In the accompanying drawings: Figure 1 is a perspective view of my improved device in its preferred form. Fig. 2 is a sectional elevation through one end of the body portion and the shoe-horn connected therewith. Fig. 3 is a plan view of the device in folded condition. Fig. 4 is an edge view of the same.

Referring to the drawings: My improved combination device comprises in its preferred form, a body portion 1, a button-hook 2 at one end of the same, a shoe-horn 3 at the opposite end of the body portion, and a member 4 slidingly mounted on the body portion.

The body portion consists of two plates 1^a and 1^b jointed together at their inner ends on a transverse axis, as at 1^c, and provided with graduations 1^d suitable for measuring

the length of the foot, the jointed connection of the sections permitting the same to fold against each other side by side as shown in Figs. 3 and 4. The button-hook is preferably formed integrally with the section 1^a by suitably shaping the end of the section; and the shoe-horn 3 consists of a plate widened at one end and slightly concave on its outer side, which plate is hinged on a transverse axis, as at 3^a, to the end of the section 1^b at a point near the end of the plate, thereby leaving an extension or handle 3^b on the shoe-horn, by means of which it may be positioned in the shoe as will be presently described.

The shoe-horn constructed and connected to the body portion in the manner described, will serve when adjusted to the position shown in Fig. 1, to act as a heel-stop in measuring the length of the foot, and by the pivotal connection of the shoe-horn with the body portion, the shoe-horn may be folded down flatly on the body portion, as shown by dotted lines in Fig. 1 and by full lines in Figs. 3 and 4. In order that the horn may be supported in position to act as a heel-stop, I provide a suitable stop 3^c on the horn at its hinged connection with the body portion, which stop, when the horn is turned outwardly to operative position, will engage against the end of the section 1^b and limit the further pivotal movement of the horn.

The sliding member 4 before alluded to, consists of a sleeve embracing the body portion so as to slide freely thereon, and provided with an upward-turned lip 4^a to serve as a toe-stop in measuring the length of the foot. This sleeve is provided with slots 4^b, through which may be passed a measuring tape 5 by means of which the transverse dimensions of the foot may be determined, the said sleeve being of such size that when the parts of the device are folded, as shown in Figs. 3 and 4, the sleeve may be slid over the inner end of the shoe-horn and in this way hold the parts folded together.

When the device is to be used as a button-hook, the shoe-horn is first folded down on the section 1^b and the latter then folded back against the section 1^a, and finally the sleeve is passed around the end of the folded parts, as in Figs. 3 and 4.

When the device is to be used as a shoe-horn, the parts are adjusted to the position shown in Fig. 1, and the projecting horn

then inserted in the heel of the shoe, its positioning therein and manipulation being facilitated by the handle or extension 3^b.

When the device is to be used for measuring the length of the foot, the parts are adjusted to the position shown in Fig. 1 and the foot seated on the graduated body portion, with the heel resting against the upturned shoe-horn. Then by proper adjustment of the toe-stop or slide, the measurements may be taken. The transverse measurements of the foot are determined by the tape 5, which, by the adjustments of the toe-stop or slide, may be set at such points in the length of the foot where it is desired to make the measurements.

While in the accompanying drawings I have shown my invention in the form which I prefer to adopt and which in practice has been found to answer to a satisfactory degree the ends to be attained, it will be understood that the invention is not limited to any particular form or construction of the parts except in so far as such limitations are specified in the claims.

Having thus described my invention, what I claim is:—

1. The tool comprising a graduated member, a shoe horn pivoted at one end thereof and adapted to fold down upon the member and also adapted to be swung outwardly at

an angle thereto, and a stop-device between the member and the plate and cooperating therewith to limit the outward movement of the plate relative to the member whereby said shoe horn serves as a heel-stop when said graduated member is used as a measuring device.

2. The tool comprising a graduated member including a plurality of sections movably connected together so as to fold one upon the other, a shoe horn hinged to one of the sections to fold down thereon in substantially parallel relation thereto and adapted to be swung outwardly in angular relation to said graduated member, a stop-device adapted to limit the outward movement of the plate relative to the member whereby said plate may constitute a heel-stop when the tool is used as a measuring device, and a sleeve slidable on the graduated member to serve as a toe-stop and also adapted to engage the shoe horn and said graduated member to hold the same in closed position.

In testimony whereof I hereunto set my hand this ninth day of June, 1911, in the presence of two attesting witnesses.

THOMAS A. REMINGTON.

Witnesses:

HUGH H. PARKS,
CHAS. B. WRIGHT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."