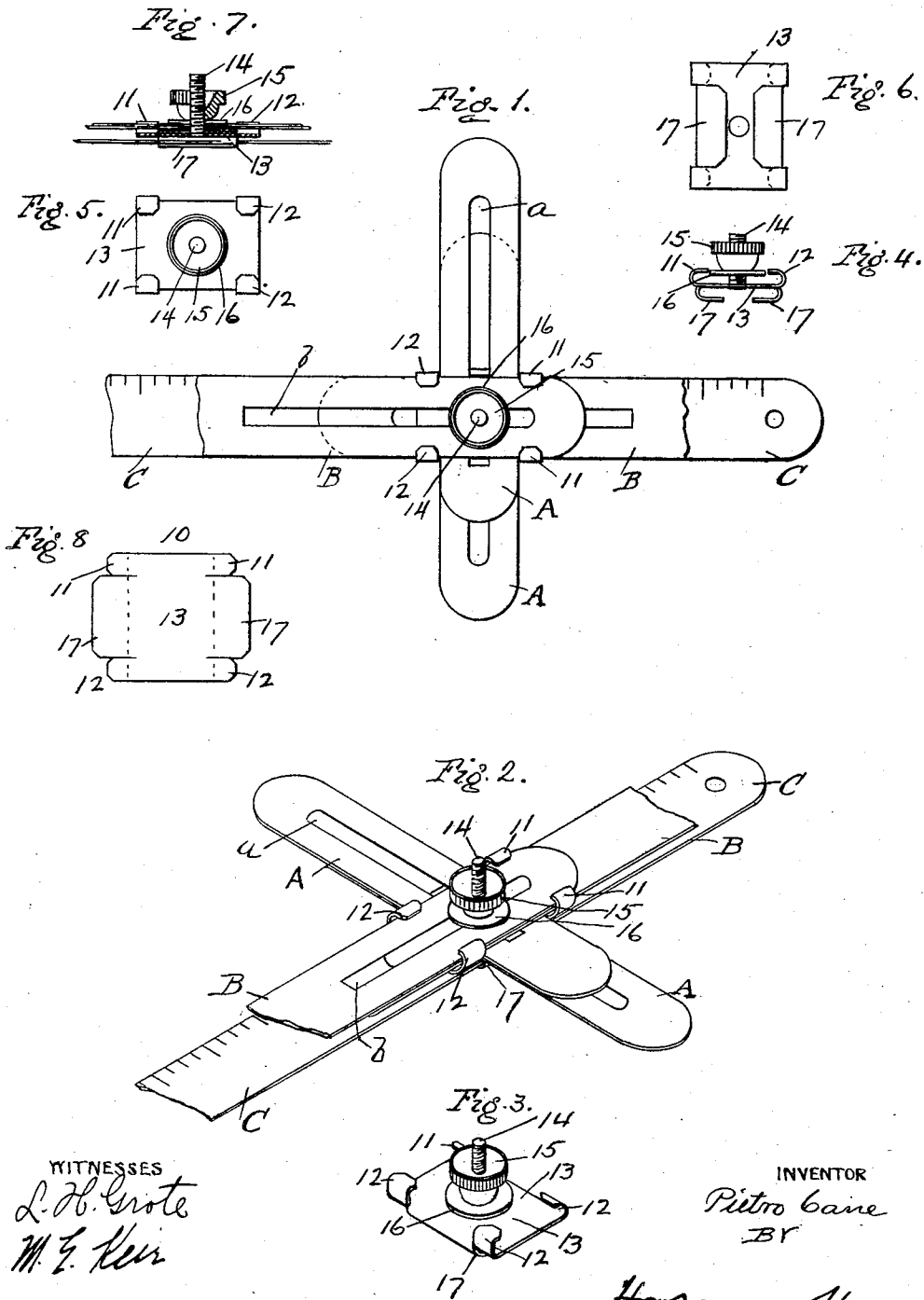


P. CANE.
CLIP FOR MEASURING APPLIANCES.
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1,033,061.

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WITNESSES
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UNITED STATES PATENT OFFICE.

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CLIP FOR MEASURING APPLIANCES.

1,033,061.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, PIETRO CANE, a citizen of the United States of America, and residing at Coney Island, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Clips for Measuring Appliances, of which the following is a specification.

The present invention relates to clips for measuring appliances and particularly for apparatus to be applied to the body for the purpose of securing proper measurements and shapes for garments.

In the accompanying drawings, Figure 1 is a plan of my improved clip applied to measuring apparatus of one type; Fig. 2 is a perspective thereof; Fig. 3 is a perspective of the clip alone; Fig. 4 is a side elevation of the clip; Fig. 5 is a plan of the clip alone; Fig. 6 is an inverted plan thereof; Fig. 7 is a vertical section of the clip with straps in position; and Fig. 8 is a plan of the blank from which the clip is made.

The present clip is particularly designed for garment fitting apparatus which comprises two series of flexible and adjustable strips A and B which are fitted vertically and horizontally, or approximately so, upon the body of the person for whom the pattern or garment is desired. In order to support and guide these strips, I strike up from the opposite sides of a blank 10 at each end of the latter, two pairs of guide fingers 11 and 12. The free ends of each pair of fingers are angled over the base 13 of the blank, but spaced above the same so as to overlie the edges of the strips B, when the latter are assembled on the clip, while at the same time leaving the latter sufficient freedom of movement that they may be readily pulled through the clip during the adjustment of the apparatus upon the body of the person to whom it is applied. These pairs of fingers 11 and 12 are spaced apart a distance substantially equal to the width of the strips A, so that the latter, in assembled position, are confined between the adjacent sides of the fingers at opposite ends of the base and are thus maintained substantially in their right angular relation to the strips B.

After the strips A and B have been fitted to the body of the person on whom the apparatus is adjusted, it is desirable to hold them in the position given. For this purpose a screw clamp is mounted centrally

upon the base 13. In the form shown this clamp comprises a threaded shank 14 secured to the base and projecting from the face thereof over which the fingers 11 and 12 are angled. A thumb screw 15 and preferably also a washer 16, are mounted on the screw 14 and overlie the strips A and B in assembled position, the latter being slotted as at *a* and *b* and passed over the screw 14 before the washer and thumb screw are adjusted.

In addition to the two strips A and B, the apparatus has at intervals tapes C, ordinarily in the form of measuring tapes, by means of which the series of strips may be pulled snug to the body. To support these tapes in proper position while leaving them free to be pulled up after the clamping screw 15 has been tightened, I provide a slide way beneath the base 13 of the clip, by turning down thereunder the side wings 17 of the blank which lie between fingers 11 and 12. These wings are preferably of somewhat greater transverse width than the fingers 11 and 12, so that the turned-under edges approach each other sufficiently closely to form a support for the tape C, which is run in between the same and the lower face of the base 13. Inasmuch as the screw 14 projects only from the upper face of the base 13, it is manifest that the space confined between the wings 17 forms a free way through which the tape C may be drawn at any time irrespective of the condition of the clamping nut 15.

The clip is preferably struck up from sheet metal from a blank of the form shown in Fig. 8, and the screw 14 then soldered or otherwise secured in position; but obviously the invention is not limited to this particular method of construction.

I claim as my invention:—

1. A measuring apparatus of the type described, comprising adjusting strips A and B at substantially right angles to each other, and a tape C for the purpose described, in combination with a clip having on one face guide ways at right angles to each other for the strips A and B and a free way on the opposite face for the tape C, substantially as described.

2. A measuring apparatus of the type described, comprising adjusting strips A and B at substantially right angles to each other, and a tape C for the purpose described, in combination with a clip having on one face

guide ways at right angles to each other for the strips A and B, a clamp for holding said strips in adjusted position and a free way on the opposite face of the clip for the tape C, substantially as described.

3. A measuring apparatus of the type described, comprising adjusting strips A and B at substantially right angles to each other, and a tape C for the purpose described, in combination with a clip having on one face guide ways at right angles to each other for the strips A and B, a clamp having a screw stem piercing said strips and a clamping nut on said stem above the strips, together with a free way on the opposite face of the clip for the tape C, substantially as described.

4. In a measuring apparatus of the type described, an integral sheet metal guide clip comprising a base having fingers angled thereover from the sides of the base at the opposite ends thereof to form guide ways at right angles to each other, in combination

with wings intermediate said angled guide fingers angled over the opposite face of the base to form a freeway, substantially as described.

5. In a measuring apparatus of the type described, a guide clip comprising a base having fingers angled thereover from the sides of the base at the opposite ends thereof to form guide ways at right angles to each other, a clamping device having a clamp supporting stem centrally supported on said base at the intersection of the mid-lines of said guide ways, in combination with wings angled over the opposite faces of the base to form a free way, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

PIETRO CANE.

Witnesses:

JULIUS FERRIS,

FRANK P. CREMONA.

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