

(No Model.)

A. S. NEWCOMB.
DEVICE FOR MEASURING DRESS SKIRTS.

No. 519,090.

Patented May 1, 1894

Fig. 1.

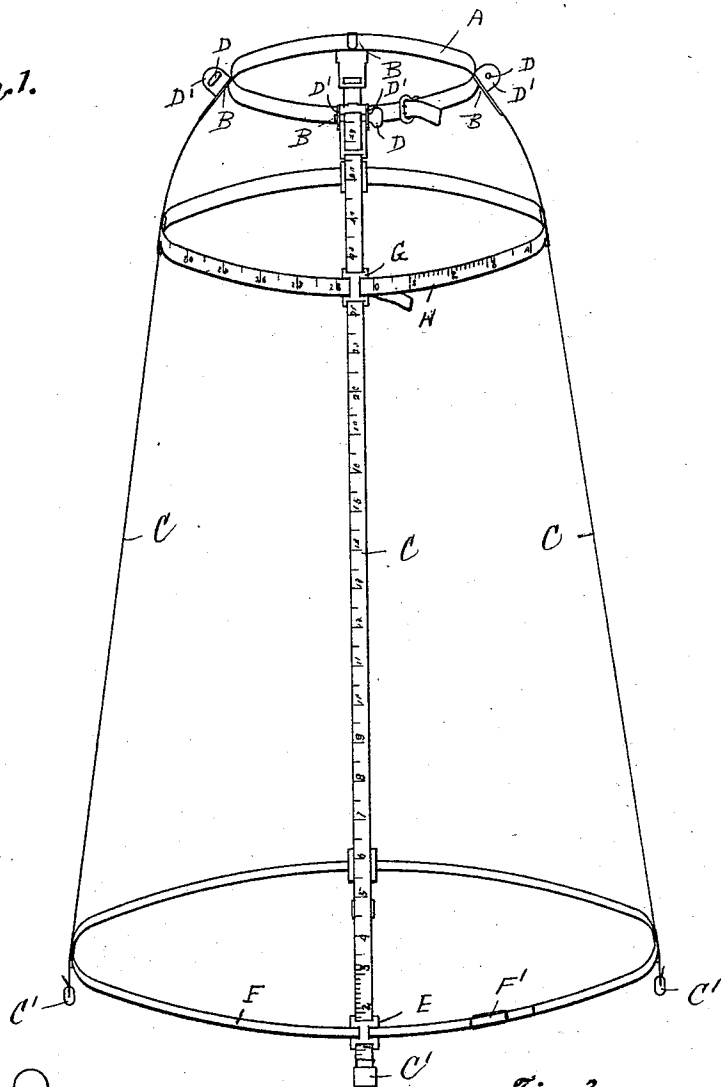


Fig. 2.

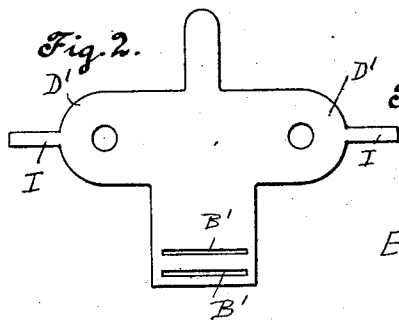


Fig. 5.

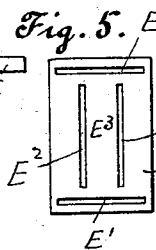


Fig. 6.

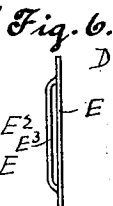


Fig. 3.

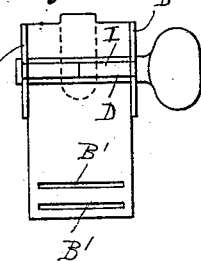
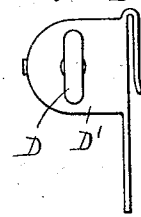


Fig. 4.



Witnesses:
Emma Kester
A. Whiting.

Inventor
Abner S. Newcomb.
By his Attorney
Rufus B. Fowler.

UNITED STATES PATENT OFFICE.

ABNER S. NEWCOMB, OF WORCESTER, MASSACHUSETTS.

DEVICE FOR MEASURING DRESS-SKIRTS.

SPECIFICATION forming part of Letters Patent No. 519,090, dated May 1, 1894.

Application filed July 8, 1893. Serial No. 479,973. (No model.)

To all whom it may concern:

Be it known that I, ABNER S. NEWCOMB, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Devices for Measuring Dress-Skirts, of which the following is a specification, reference being had to the accompanying drawings, forming a part of the same, and in which—

Figure 1 represents a perspective view of my improved device extended in the form as applied to the person when in use. Fig. 2 represents a sheet metal plate cut in suitable form to make a hooked clasp which is attached to the belt. Figs. 3 and 4 represent the front and side views of the completed hooked clasp as formed from the plate shown in Fig. 2 and Figs. 5 and 6 show respectively front and edge views of the sliding clasp carried by the graduated tapes.

Similar letters refer to similar parts in the different figures.

Referring to the accompanying drawings, A denotes a belt provided with a buckle, or suitable fastening, by which it is fastened around the waist of the person. Hanging upon the belt are four hooks B capable of sliding along the belt, in order to vary their position and bring the measuring tapes in any desired position, usually with one at the front, one at the rear and one at each side of the person. The hooks B are provided with slots B', B', through which I pass the graduated tapes C with the upper ends of the tapes attached to rotating keys D, which are held in lugs D' projecting from the sides of the hooks B. To the lower ends of the graduated tapes C, I attach weights C' so that if desired the tapes may be allowed to hang free from the hooks B and be held in a vertical position by the weights; or if the graduated tapes C rest upon the dress skirt, they will be held in contact therewith by the weights C'. Near the lower ends of the graduated tapes, I place slotted plates, or clasps E, provided with slots E', E' through which the graduated tapes C pass and also with the slots E², E² between which is a raised portion E³ and through the slots E² and between the body of the plate

and the raised portion E³, I pass an elastic flat wire F, preferably made of spring tempered steel, in order to expand the lower ends of the measuring tapes to correspond with the desired size of the bottom of the dress skirt. The ends of the spring-tempered wire F passing through a clasp F' and are capable of sliding therein, in order to allow an adjustment in the diameter of the hoop formed by the wire F.

A short distance below the belt A, I place another set of slotted plates, or clasps G similar to the plates E, in order to receive a graduated tape H, which is inserted through the slotted plates G in the same manner as the hoop F in the plates E. The plates G are adjustable along the graduated tapes F and are held in position by their friction upon the tapes so as to determine the desired vertical position of the graduated tape H by which the hip-measure is taken.

The measuring device is used as follows: The belt A is buckled around the waist of the person and the measuring tape C unwound from the keys D until the weights C' nearly touch the floor. The hoop F is then expanded to the desired size of the bottom of the dress skirt and is raised or lowered to the desired height by winding or unwinding the tape C, and as the tapes C are graduated from their lower ends upward, the length of the skirt is readily read from the measuring tapes C, as indicated by the cross bars I extending across the tapes from the lugs D'. The slides G are then adjusted vertically upon the tapes C to indicate the position of the desired hip-measure which is taken by the graduated tape H. When the device is not in use, the slides G are moved down the tape C next to the slides E and the tapes C are then wound upon the keys D, which are held from turning too freely by the frictional resistance of the lugs D'.

I do not confine myself to the specific form of the slotted hooks B, or of the slotted plates E and G as other known forms can be substituted therefor.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a dress skirt measuring device, the combination of a belt A, a series of hooks B, 100

provided with slots B' and adjustable on said belt, a series of graduated tapes C held in said slots and weights C', by which said tapes are drawn over the dress skirt, substantially as described.

2. The combination of the belt A, hooks B adjustably attached to said belt, a tape winding mechanism carried by said hooks, a series of graduated tapes held by said winding mechanism and weights attached to said graduated tapes, substantially as described.

3. The combination of a belt, a series of hooks adjustably held upon said belt, graduated tapes suspended from said hooks and an

elastic expanding hook F supported by said graduated tapes, substantially as described.

4. The combination of a belt A, hooks B provided with lugs D' a winding key D held by said lugs, graduated tapes C, weights C', expanding hoop F and adjustable sliding clasps G held by said graduated tapes, substantially as described.

Dated this 3d day of July, 1893.

ABNER S. NEWCOMB.

Witnesses:

RUFUS B. FOWLER,
HENRY W. FOWLER.