

(No Model.)

W. H. KNAPP.
GARMENT STAND.

No. 288,452.

Patented Nov. 13, 1883.

Fig. 1

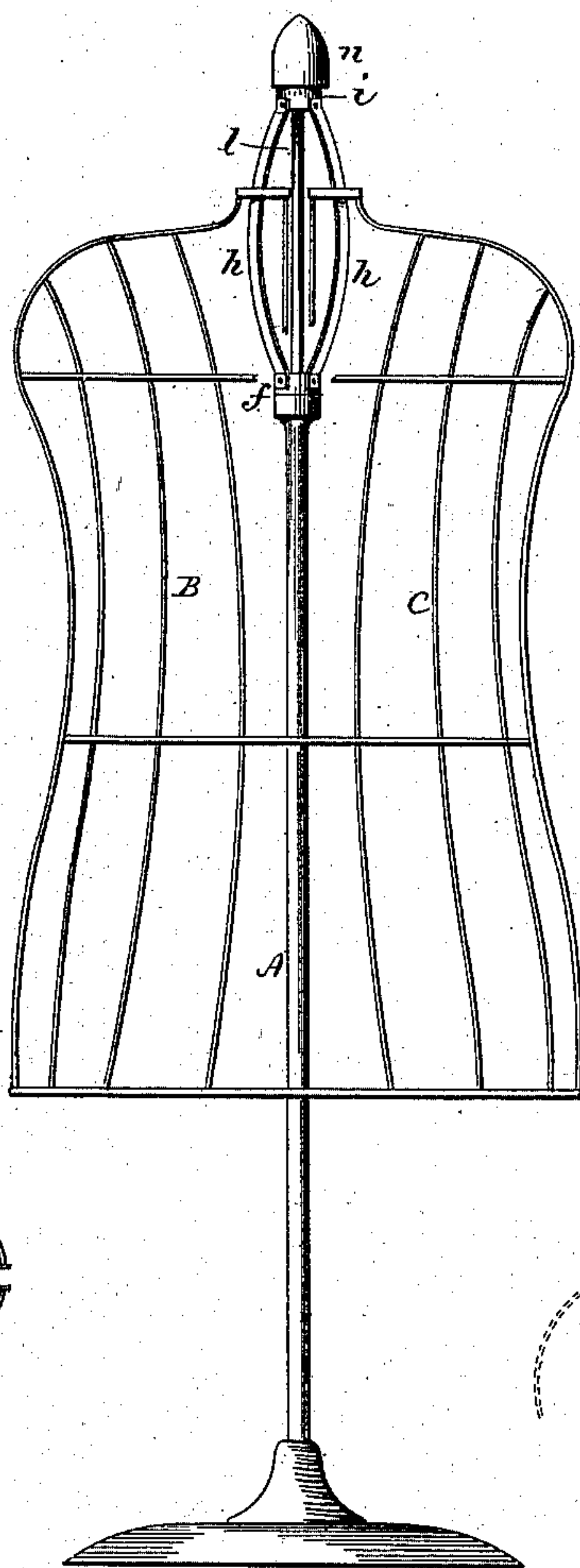


Fig. 2

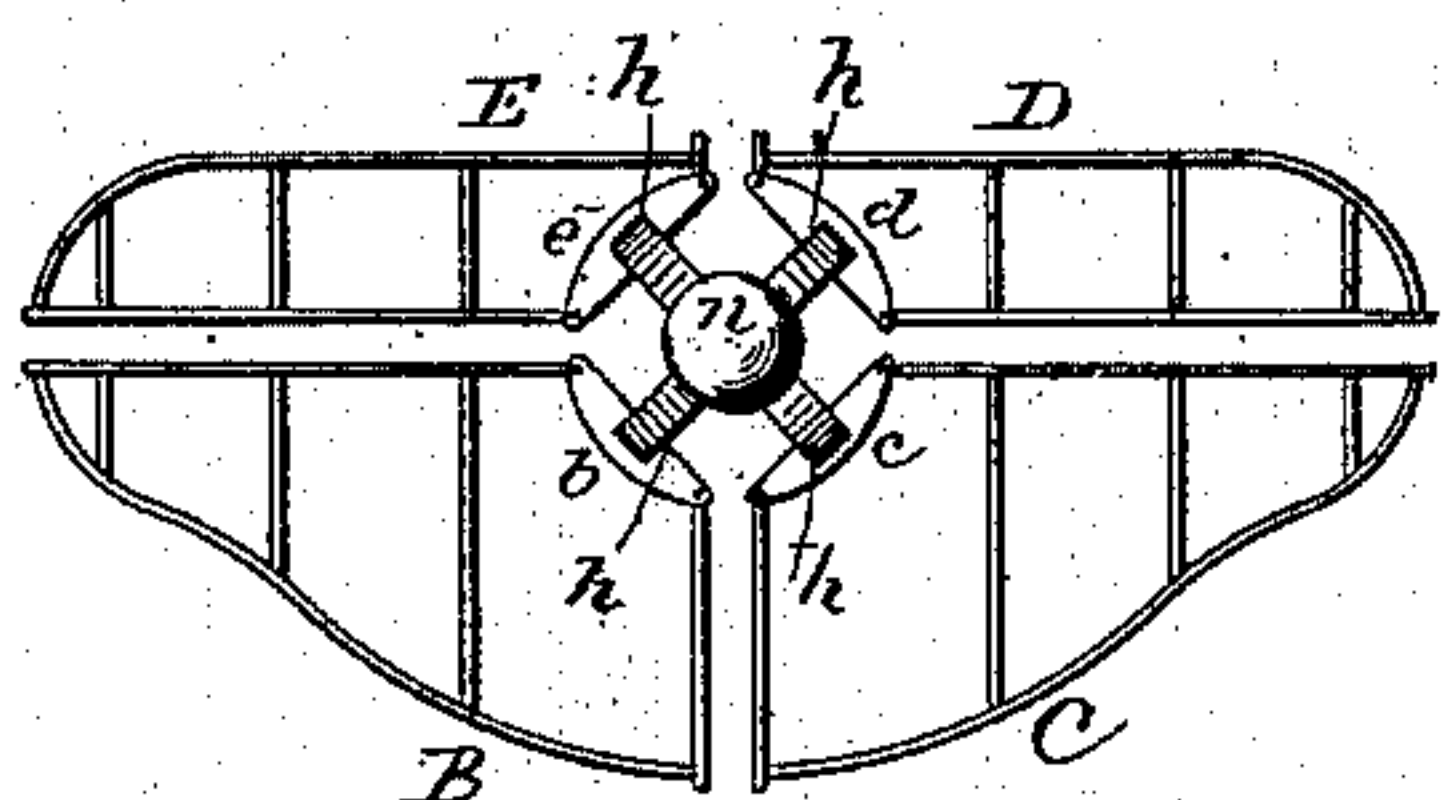


Fig. 3

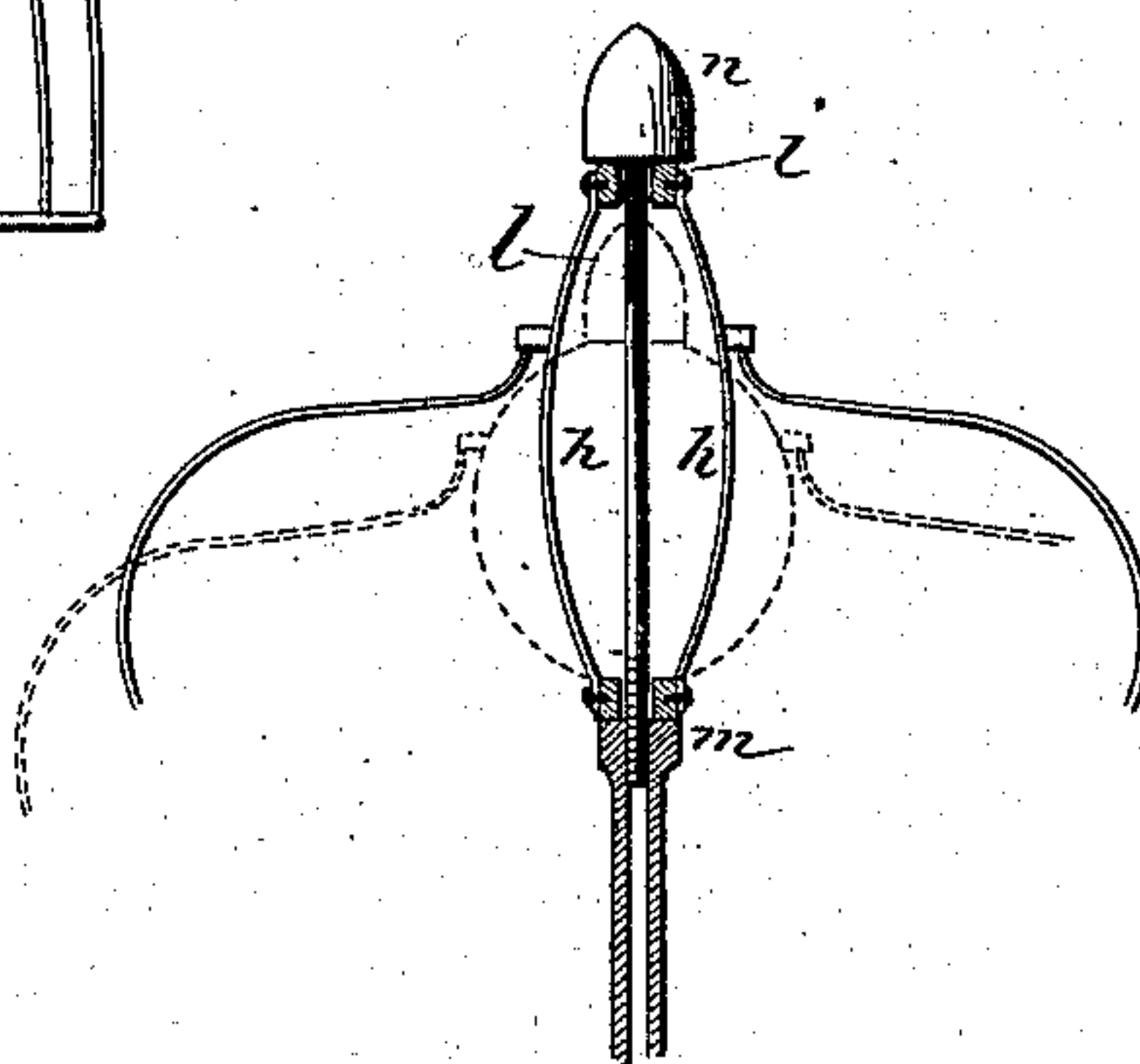
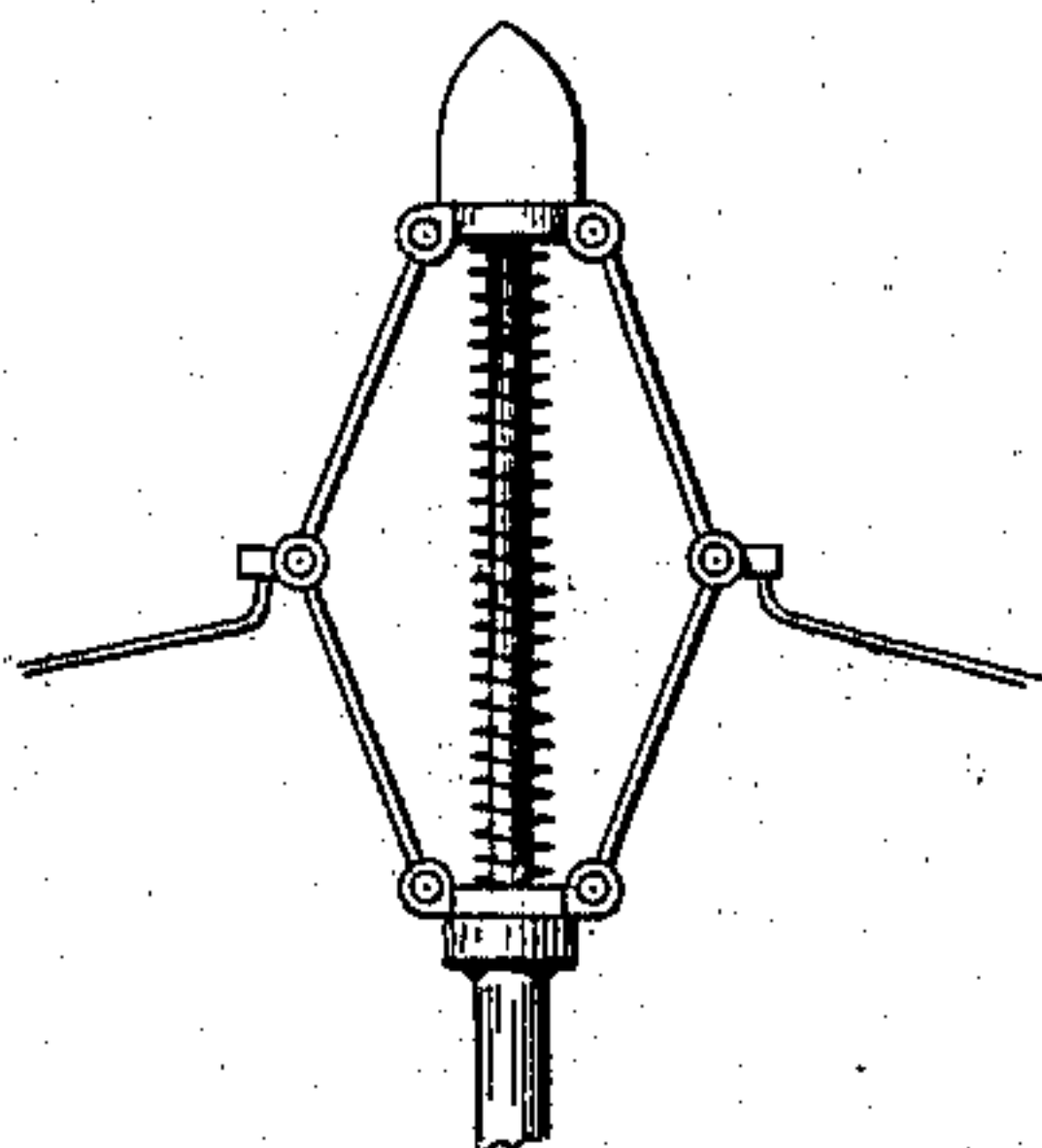


Fig. 4



Witnesses:
J. P. Chumney
J. D. Curle

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UNITED STATES PATENT OFFICE.

WILLIAM H. KNAPP, OF NEW HAVEN, CONNECTICUT.

GARMENT-STAND.

SPECIFICATION forming part of Letters Patent No. 288,452, dated November 13, 1882.

Application filed June 11, 1883. (No model.)

To all whom it may concern:

Be it known that I, WM. H. KNAPP, of New Haven, in the county of New Haven and State of Connecticut, have invented new
5 Improvements in Garment-Stands; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same,
10 and which said drawings constitute part of this specification, and represent, in—

Figure 1, a front view; Fig. 2, a top view; Fig. 3, a vertical section through opposite springs; Fig. 4, a modification.

15 This invention relates to an improvement in forms or stands such as used for displaying wearing-apparel, and particularly to that class which are made adjustable to different sizes, the object of my invention being to make such
20 adjustment universal, that the bust portion may be expanded in all directions.

To this end my invention consists in the construction hereinafter described, and more particularly recited in the claim.

25 The form is best made from wire, and is arranged upon a central vertical post, A. The form is divided into four vertical parts, the division being from the neck downward and across the shoulder, and also centrally down the
30 front and down the back, whereby four parts, B, C, D, and E, are produced. At the neck the vertical wires are brought into neck-pieces, respectively, *b, c, d, and e*. Upon the inside, and below the neck-pieces, a collar, *f*, is ar-
35 ranged loose upon the vertical rod, and from this four springs, *h*, extend upward above the neck-pieces, their other ends connected to a corresponding collar, *i*, and to the springs, about midway of their length, the neck-pieces
40 are attached, as seen in Fig. 3. Centrally through the two collars a screw-rod, *l*, is passed into a corresponding nut, *m*, in the vertical post, and above the upper collar, *i*, a suitable head, *n*, is attached to the screw-rod,
45 by which that rod may be turned so as to screw the rod *l* down into the vertical post A,

or unscrew it therefrom. The head *n* bears upon the upper collar, and hence, as it is screwed down into the post to practically contract its length, the collar *i* is forced down-
50 ward toward the collar *f*. This causes the springs to throw outward at their center, and in such outward movement carry the neck-pieces correspondingly outward, and expand the neck of the form, and because of the con-
55 nection of the parts of the form to these neck-pieces the form itself is correspondingly expanded, as seen in broken lines, Fig. 3. To reduce the size of the form, it is only neces-
60 sary to withdraw the screw *l*, when the springs *h* return toward the straight position and correspondingly draw in the neck-pieces and contract the form.

Instead of employing thin steel springs *h*, as shown, the connections between the two
65 collars and the neck-pieces may be links, like toggle-joints, and a helical spring introduced around the screw-rod between the two collars, which will be compressed as the collar *i* is forced downward, and then as the screw is
70 withdrawn the spring will react and force the collar upward to contract the form, as seen in Fig. 4.

I do not wish to be understood as claiming, broadly, an expansible or adjustable form or
75 stand for garments, as such, I am aware, is not new.

I claim—

The combination of the four parts B C D E of the form, each part terminating in a corre-
80 sponding neck-piece, *b c d e*, vertical springs *h*, secured by one end to a collar, *f*, and the other end to a corresponding collar, *i*, both collars supported in a vertical central position, and the neck-pieces attached to said
85 springs midway between said two collars, and the screw-rod *l* through said collars, substantially as and for the purpose described.

WM. H. KNAPP.

Witnesses:

JOS. C. EARLE,

J. H. SHUMWAY.