

J. M. VANDERGRIFF.
DRESS FORM,
APPLICATION FILED AUG. 30, 1916.

1,235,613.

Patented Aug. 7, 1917.

Fig. 1.

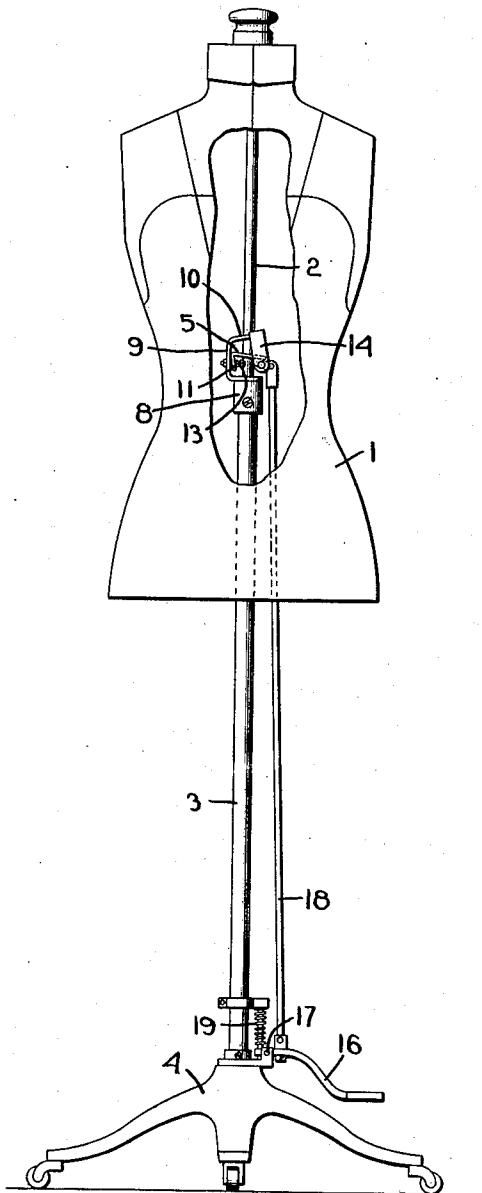


Fig. 2.

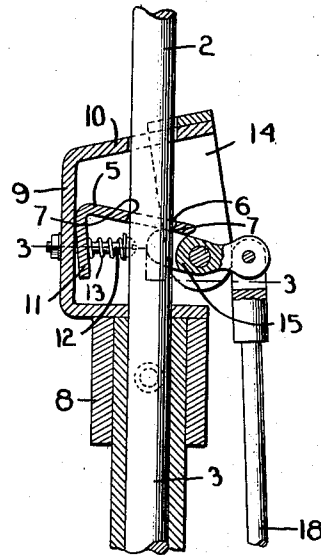
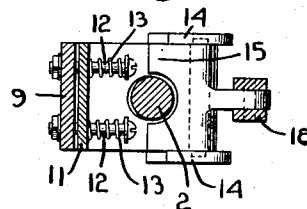


Fig. 3.



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UNITED STATES PATENT OFFICE.

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DRESS-FORM.

1,235,613.

Specification of Letters Patent.

Patented Aug. 7, 1917.

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To all whom it may concern:

Be it known that I, JAMES M. VANDERGRIFF, a citizen of the United States, residing at Chicago, county of Cook, State of Illinois, have invented an Improvement in Dress-Forms, of which the following description, in connection with the accompanying drawing, is a specification, like characters on the drawing representing like parts.

This invention is an improved dress form support of that type in which an extensible standard is made in sections telescoping one within the other to permit the form to be raised and lowered.

The object of the invention is to provide a novel clamping device for clamping the standard sections in any adjusted position relative to each other.

In order to give an understanding of the invention I have illustrated in the drawings a selected embodiment thereof which will now be described, after which the novel features will be pointed out in the appended claims.

Figure 1 of the drawings is a view of a dress form having my improvements applied thereto;

Fig. 2 is an enlarged vertical section through the clamp;

Fig. 3 is a section on the line 3—3, Fig. 2.

1 indicates a dress form body which may have any suitable or usual construction. It is shown as supported on a standard comprising the two sections 2 and 3 which have a telescopic relation, the upper section 2 to which the dress form is secured telescoping within the lower section 3, and the latter being secured to a pedestal or base 4, as usual in dress forms.

My improved clamp or clutch for holding the upper section of the dress form at any adjusted height comprises a clutch member 5 sustained by the lower section 3 and having an aperture 6 through which the upper section 2 extends, said clutch member being normally held at a slight inclination so that the opposite edges 7 of the apertures 6 will have a biting or clutching engagement with the upper section 2, thereby locking the upper section 2 in any position. Means are provided for moving the clutch member 5 into a position at right angles to the upper section 2, thereby to release such clutching engagement, and this releasing means may be operated from any convenient point. As

herein illustrated the lower section 3 of the standard has a collar 8 fast thereto at its upper end and secured to the collar 8 is a bracket 9 having the overhanging portion 10 provided with an aperture through which the upper standard section 2 extends. The clutch member 5 is formed with the downturned flange 11 which is movably secured to the bracket 9 by means of bolts 12. Each bolt has a spring 13 encircling it which is confined between the head of the bolt and the flange 11. The flange 11 is set at an angle to the body of the clutch member and the action of the springs 13 is to tend to turn the clutch member into its inclined locking position. The overhanging portion 10 of the bracket is provided with a pair of depending arms 14 in which is pivoted a releasing cam 15 that is adapted to engage the outer edge of the clutch member 5. When the releasing cam is turned, it will act against the end of the clutch member 5, thereby rocking or swinging the same into a position at right angles to the axis of the standard and thus releasing the clutching engagement between said member and the upper standard section 2. This movement of the clutch member is against the action of the springs 13. When the releasing cam is itself released, the springs 13 act automatically to bring the clutch member 5 into its operative clutching position. The releasing cam 15 may be operated in any suitable way. As illustrating one convenient construction, I have shown a treadle 16 which is pivotally connected to the standard at 17 and which is connected by a rod 18 to said cam 15. The connection is such that a downward movement of the pedal will actuate the cam and release the clutch, but the invention is not necessarily limited to this form of device. 19 is a spring acting on the pedal and tending to raise it and thereby move the releasing cam into its inoperative position.

The operation of adjusting the height of the dress form involves merely depressing the pedal thereby actuating the releasing cam 15, and releasing the clutch member 5 from its clutching engagement with the upper section 2. The upper section is then free to be moved up and down as desired, and as soon as the proper adjustment has been made, the pressure on the treadle may be removed. The springs 13 act automatically to throw the clutch into its operative clutch-

ing position, thereby firmly locking the upper standard section 2 in its adjusted position.

I claim:

5 1. A dress form support including a supporting standard comprising two sections having telescopic relation, a clutch member carried by one section and provided with an aperture through which the other section
10 extends, a spring acting on said clutch member and tending to hold it in such an angular position relative to said other standard section that said section is gripped by opposite edges of the aperture in the clutch
15 member, and a clutch-releasing cam by which the clutch member is released from clutching engagement with the standard section.

20 2. A dress form support including a supporting standard comprising two sections having telescopic relation, a bracket carried by the upper end of the lower section, a clutch member sustained by said bracket and provided with an aperture through
25 which the upper standard section extends, a spring acting on the clutch member and tending to swing it into an angular position relative to said upper standard section thereby to bring the opposite edges of said
30 aperture into clutching engagement with said standard section, a clutch-releasing cam pivoted to said bracket, and means for actuating said cam to release the clutch from clutching engagement with the standard sections.
35

3. A dress form support, including a supporting standard comprising two sections having telescopic relation, a bracket carried by one end of the outer section, a clutch
40 member having two flanges at an angle to each other, one of said flanges having a part adapted and positioned to engage with the side of the inner standard section and the other of said flanges being disposed adjacent
45 to a surface of said bracket, a spring normally tending to press said last men-

tioned flange and said bracket together and move said first mentioned flange into gripping engagement with said inner standard section, and means for tilting said clutch
50 member against the action of said spring to release said inner standard section.

4. In combination, two telescopic members, a bracket carried by the outer member, a clutch member carried by said bracket and
55 having two flanges at an angle to each other, one of said flanges having an aperture through which the inner member extends, and a spring normally acting upon the other flange and tending to swing the apertured
60 flange to a position at an angle to the general direction of said telescopic members.

5. In combination, two telescopic members, a bracket carried by the outer member, a clutch member carried by said bracket and
65 having two flanges at an angle to each other, one of said flanges having an aperture through which the inner member extends, a spring normally acting upon the other flange and tending to swing the apertured
70 flange to a position at an angle to the general direction of said telescopic members, and a lever pivoted to said bracket and having one end adapted to engage with said apertured flange to swing it against the ac-
75 tion of said spring.

6. In combination, two telescopic members, an apertured clutch member carried by the outer member and mounted to swing
80 about an axis at one side of the inner member, and a lever carried by said outer member and adapted to swing about an axis at the opposite side of said inner member and engage with said clutch member to move the latter out of clutching engagement with the
85 inner member, and a spring normally tending to move said clutch member into clutching engagement.

In testimony whereof, I have signed my name to this specification.

JAMES M. VANDERGRIFT.