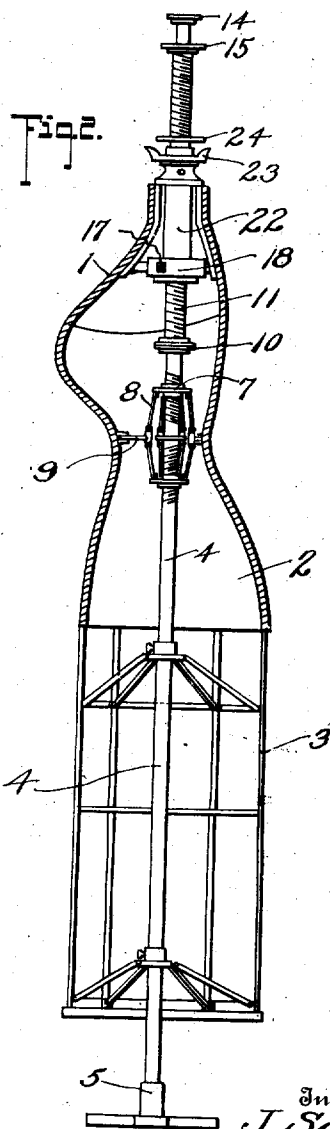
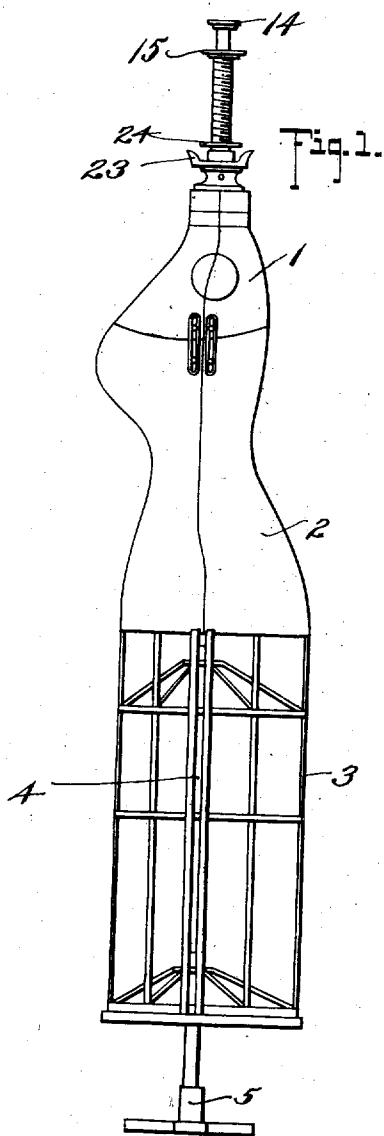


1,018,377.

Patented Feb. 20, 1912.

2 SHEETS—SHEET 1.



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1,018,377.

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2 SHEETS—SHEET 2.

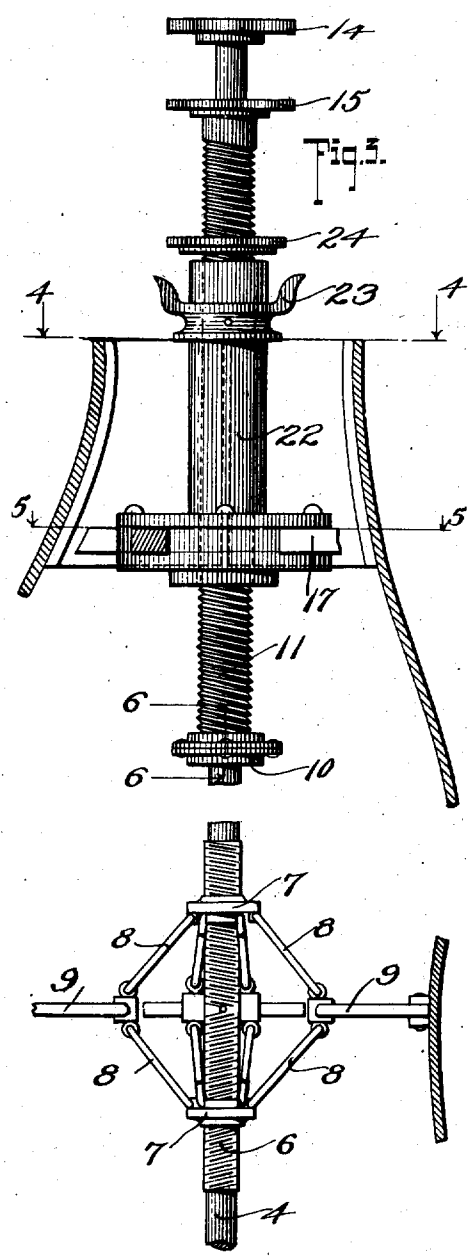


Fig. 4.

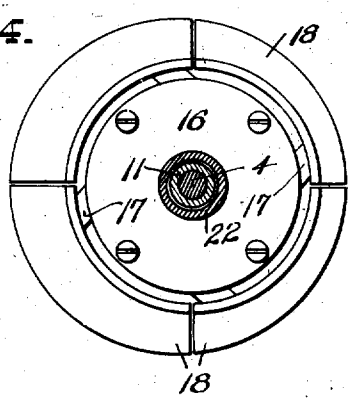


Fig. 5.

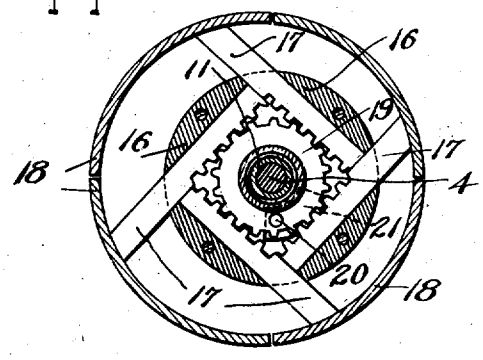
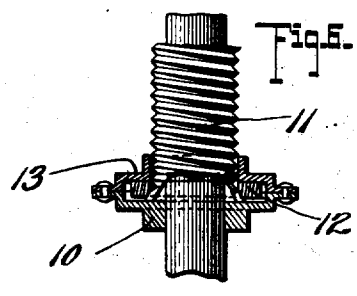


Fig. 6.



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GARMENT-FORM.

1,018,377.

Specification of Letters Patent.

Patented Feb. 20, 1912.

Application filed October 23, 1911. Serial No. 656,213.

To all whom it may concern:

Be it known that I, JACOB SATIN, a subject of the Czar of Russia, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Garment-Forms, of which the following is a specification.

This invention relates to garment forms and has particular reference to the expandible and contractible collar operating mechanism.

An object of the present invention resides in the peculiar construction of the collar operating mechanism support, which will be fully described hereinafter.

For a full understanding of the present invention, reference is to be had to the following description and to the accompanying drawings, in which—

Figure 1 is a side elevation of the garment form. Fig. 2 is a vertical sectional view thereof. Fig. 3 is a fragmentary sectional view of the device, parts thereof being left in elevation. Fig. 4 is a view taken on the line 4—4 of Fig. 3. Fig. 5 is a similar view taken on the line 5—5 of Fig. 3. Fig. 6 is a fragmentary view taken on the line 6—6 of Fig. 3, parts thereof being left in elevation.

Throughout the following detail description and on the several figures of the drawings, similar parts are referred to by like reference characters.

Carrying out the present invention, the body of the form comprises upper or bust sections 1 and lower or hip sections 2, which sections may be of any number, as may be desired. A plurality of skirt sections 3 are carried by the sections 2 and are adjustably secured to the support 4, the latter having a swivel connection with the base 5. The support 4 is provided with a left and right hand threaded portion 6 which may be integrally formed thereon, or otherwise, said threaded portions carrying a pair of nuts 7 which are flexibly connected by the toggle levers 8. These toggle levers 8 are connected to the supporting plates 9, to which the hip sections are secured. By rotating the member 4, the nuts 7 will advance toward or from each other, depending upon the direction of rotation, and thereby expand or contract the hip sections 2.

Securely mounted on the support 4 and above the threaded portion 6 is a bearing cup or member 10 for receiving a sleeve 11

which is loosely mounted on said support for independent movement. The lower or bearing terminal of said sleeve 11 is flared outwardly and provided with a washer 12 to prevent dislodgment of said sleeve when the retaining collar or member 13 is secured to the cup 10. A hand wheel 14 is securely mounted on the support 4 for rotating the latter while a similar member 15 is rigidly secured to the sleeve 11 for rotating said sleeve. A collar expanding and contracting mechanism is threaded on said sleeve 11 and comprises a hollow casing 16 which is provided with a plurality of openings in its vertical wall for receiving the rack members 17. Each rack member carries on its outer terminal a collar section 18, while its inner terminal is provided with teeth to mesh with the teeth of the gear 19 loosely mounted on the sleeve 11 and extending into the casing 16. The under surface of the gear 19 is provided with a downwardly projecting pin 20 which moves in a slot or recess 21 formed in the body of the casing. Loosely mounted on the sleeve 11 is a collar or tubular member 22 rigidly secured to the gear 19 and carrying on its upper terminal a suitable gripping member 23 for rotating the gear 19. It will be understood that the rotary movement of the gear is limited by the pin 20 engaging the walls of the recess 21.

A nut 24 is threaded on the sleeve 11 for limiting the upward movement of and locking the collar operating mechanism, said nut being adjustable to any predetermined distance.

When the collar operating mechanism has been adjusted to the desired height the nut 24 will be screwed tightly against the tubular member of the collar 22, serving the function of a lock nut. By so providing this lock nut 24, it will readily be observed that the sections may be expanded or contracted to any desired size and be retained in such position by so moving the lock nut 24 against the collar 22. Were it not for this nut 24, the sections would be free to move by any slight jar and thus require close attention of the operator.

From Fig. 5, it will be noted that the rack members 17 are adapted to abut against each other at their inner terminals which limits the inward movement of said members. The member abutting against one rack member acts as a brake on the latter, thus limiting the movement of the abutted rack member,

the movement of which is also limited by a simultaneous contact with another rack member.

5 Having thus described the invention, what is claimed as new is:

10 In combination, a support, a garment form comprising movable sections on said support, a gear movably mounted on said support, means for operating said gear, and rack members operable by said gear and connected to said sections for expanding

and contracting the latter, said rack members being adapted to abut against each other when the sections are contracted for limiting the movement of the former.

In testimony whereof I affix my signature in presence of two witnesses.

JACOB SATIN.

Witnesses:

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ISAAC MORGENSTERIN.