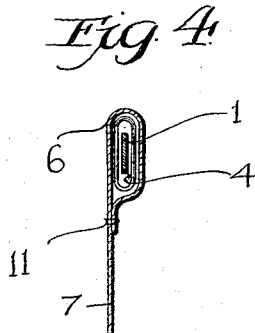
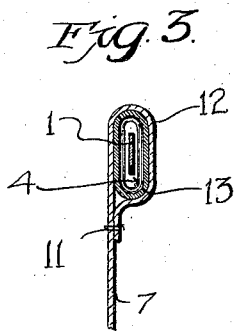
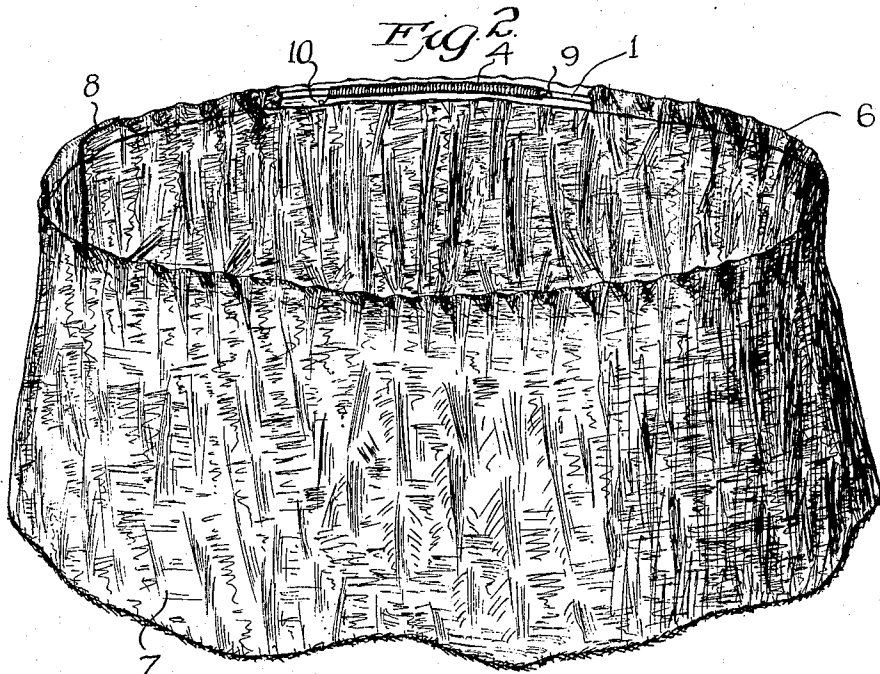
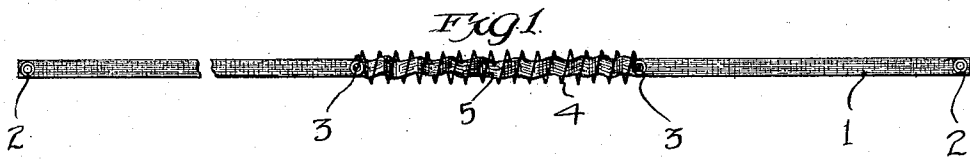


S. M. LOEBINGER & B. DAVIS.  
 WAISTBAND FOR GARMENTS,  
 APPLICATION FILED AUG. 27, 1914.

1,174,077.

Patented Mar. 7, 1916.



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# UNITED STATES PATENT OFFICE.

SOFIA M. LOEBINGER AND BELLE DAVIS, OF NEW YORK, N. Y., ASSIGNORS TO DAVIS MANUFACTURING CO., A CORPORATION OF NEW YORK.

## WAISTBAND FOR GARMENTS.

1,174,077.

Specification of Letters Patent.

Patented Mar. 7, 1916.

Application filed August 27, 1914. Serial No. 858,865.

### *To all whom it may concern:*

Be it known that we, SOFIA M. LOEBINGER and BELLE DAVIS, citizens of the United States, both residing in the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Waistbands for Garments, of which the following is a specification, reference being had to the drawings forming a part thereof.

This invention relates to wearing apparel, and particularly has reference to the waistband of various garments, such as skirts, trousers, blouses, waists, etc.

Among the objects of our invention may be noted the following: to provide a waistband for garments having a maximum amount of strength and durability, coupled with a sufficient amount of elasticity for the purposes desired; to provide a semi-elastic waistband for garments which may be made and sold as an article of manufacture, and which may be applied to the waistband of any garment for producing a snug fit; to provide a waistband which will automatically adapt itself to any size waist from the smallest to the largest; and to provide a simple, inexpensive, durable, and effective waistband for garments, substantially as hereinafter set forth.

With the above objects in view and others which will be detailed during the course of this description, our invention consists in parts, features, elements and combinations thereof hereinafter described and claimed.

In order that our invention may be clearly understood, we have provided drawings wherein:

Figure 1 is a plan view of a waistband detached from the garment, and illustrating one form of our invention, the view being broken out so as to curtail the same; Fig. 2 is a perspective view of a portion of a skirt with a part of the waistband of the garment broken out, and illustrating the application of the waistband to the garment; Fig. 3 is a cross-section through the waistband of the garment, showing the waistband of our invention inclosed in a pocket; and Fig. 4 is a view similar to Fig. 3, but showing a form of our invention wherein the spring-inclosing pocket is omitted.

Referring to the drawings the numeral 1 indicates a waistband composed of a tape,

strip of woven fabric, or other suitable material having an eyelet 2 at each end thereof. In this form of our invention the band 1 is also provided at points intermediate its length with additional eyelets 3 to which are attached the opposite ends of a coiled spring 4. The tape or band 1 may be of any suitable width and thickness; but, the length of the band should correspond with the maximum waist measurement of the garment to which it is applied. That is to say, if the maximum waist-measurement of the waistband of the garment is twenty-four inches, the band or tape should be the maximum length so as to give the desired range of waist measurements for each garment. For example, if the garment is intended for persons having waist-measurements varying from twenty-one to twenty-four inches, the tape 1 should be twenty-four inches long. The eyelets 3 are so arranged that, when the spring 4 is applied, the tape or band 1 will be contracted to the minimum, or twenty-one inches. In other words, the spring 4 is first distended and then applied to the band by fastening the ends thereof to the eyelets 3, so that when the spring contracts, the band or tape will be contracted within the same, as clearly shown at 5 in Fig. 1. By thus constructing the waistband, it can be applied to various sizes of skirts or garments, and will contract so as to shirr the material of the garment upon the waistband, as clearly shown in Fig. 2, and indicated at 6.

From the foregoing it will be understood that when the waistband 1 is applied to the waist portion of the garment, it is so applied with the spring in a distended or expanded condition and the tape extended or taut. Metallic fasteners may be employed to secure the ends of the band to the garment, or, several stitches may be passed through the eyelets 2, and through the garment at the desired points.

As shown in Fig. 2, the skirt 7 is provided with a side placket 8, and the waistband 1 is secured within the hem of the garment and its ends are attached to the cooperating flaps at the placket opening. Hence, when the garment is adjusted to the wearer, the band will expand, and then will contract so as to cause the garment at the waist to fit snugly and hold firmly to the wearer. The skirt, of course, may be of any suitable

material such as silk, cotton, sateen, etc., and in the form shown in Fig. 2, the upper edge thereof is turned into a simple hem which forms a pocket into which the waistband is inserted, and in which it is held.

Instead of securing the opposite ends of the spring 4 to the waistband, as shown in Fig. 1, one end of said spring may be attached to the waistband, as shown at 9 in Fig. 2, and the other end thereof may be secured to the garment at the hem thereof as indicated at 10. In this way the spring may be more or less permanently located in any given position in the hem of the garment, and caused to expand and contract therein according to the size of the waist of the wearer.

In Fig. 3 a section of the skirt at the waist is shown, and the line of stitching 11 indicates the manner in which the hem 12 is made at the waist, so as to inclose the spring 4 and tape 1; but, in this form of our invention the spring and tape are preferably inclosed in a casing or pocket 13, which takes the wear of the spring off the material of the garment at the waist. In this view also we have shown the preferred form of our invention, in that the spring is made in the form of a flattened spiral. In Fig. 4 we have shown the same form of spring 4, encircling the tape 1, but without the inclosing casing or pocket, the waistband, as shown in Fig. 1, being simply inclosed within the hem 12 of the garment.

While we have shown in our drawings the preferred form of spring as a flat coil, we desire it understood that said spring may be cylindrical, or may be given any other form suitable for the purposes, and we also desire it understood that, although we have shown the waistband of Fig. 1 applied to the waistband of a petticoat, the same may be applied to the waistband of a shirt-waist, blouse, pair of boys' trousers, etc. In other words, the fundamental principle of our invention is an inelastic waistband made elastic by the addition thereto of a metal spring, thereby securing durability, strength, and a high degree of elasticity.

Another important feature of our inven-

tion resides in the fact that the tape or band 1 imposes a limitation upon the expansion of the spring and upon the extension of the waistband of the garment, thus preventing the spring from being distorted and the garment from being torn or ripped at the seams.

Having thus described our invention, what we claim and desire to secure by Letters Patent is:

1. A waistband for garments comprising a continuous strip of inelastic material of a length suitable for a maximum waist measurement, said strip having connected thereto a coiled spring adapted to reduce its length to a minimum waist measurement.

2. A waistband for garments comprising a continuous strip of inelastic material having means at its opposite ends for attaching the same, and having secured thereto between said ends a coiled spring adapted to shorten the band when it is contracted.

3. A waistband for garments comprising a continuous inelastic strip of material, a coiled spring secured to said strip between its ends and adapted to reduce the length thereof by shirring the same, and a pocket or covering entirely inclosing the strip and spring and of a length enabling it to expand and contract therewith.

4. In combination with the waist portion of a garment having a pocket or hem provided therein, and also having a placket, a waistband loose within the pocket throughout its length, but having means for securing the same to the garment at the flaps of the said placket, said waistband being continuous and of a length corresponding with a maximum waist-measurement, and having a coiled spring secured thereto and adapted to contract the waistband and waist portion of the garment to a minimum waist-measurement.

In testimony whereof, we have hereunto signed our names in the presence of two subscribing witnesses.

SOFIA M. LOEBINGER.  
BELLE DAVIS.

Witnesses:

CHARLES G. RAPP,  
H. C. LOEBINGER.

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