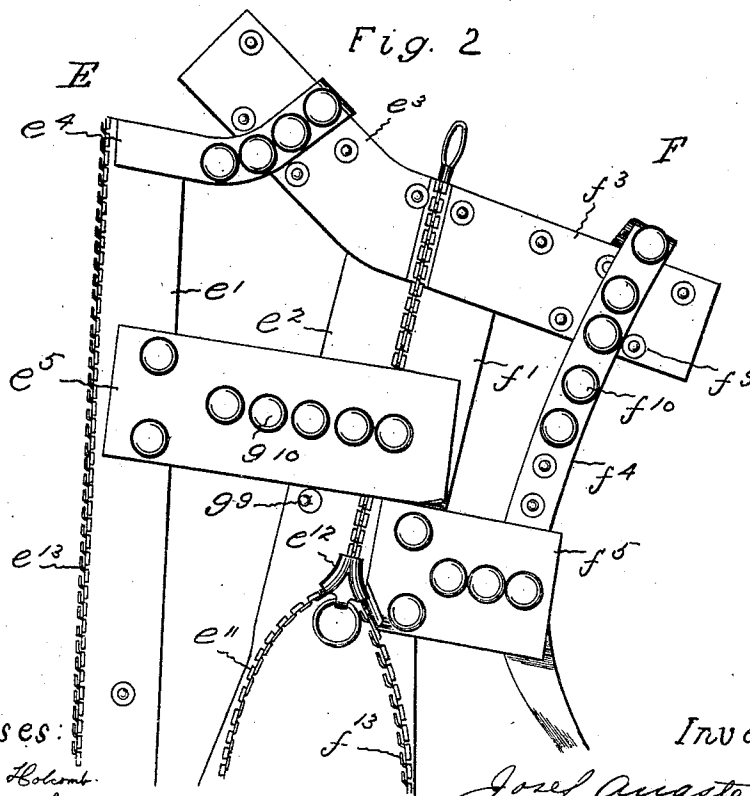
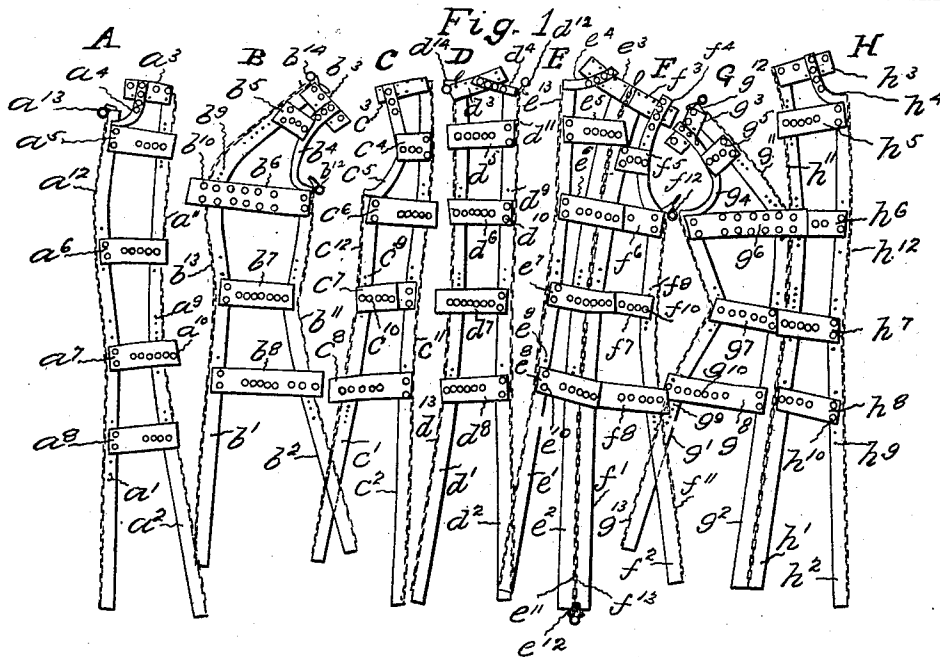


J. AUGSTEN.
TAILOR'S FITTING APPARATUS.
APPLICATION FILED AUG. 27, 1909.

946,191.

Patented Jan. 11, 1910.

2 SHEETS—SHEET 1.



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Fig. 3

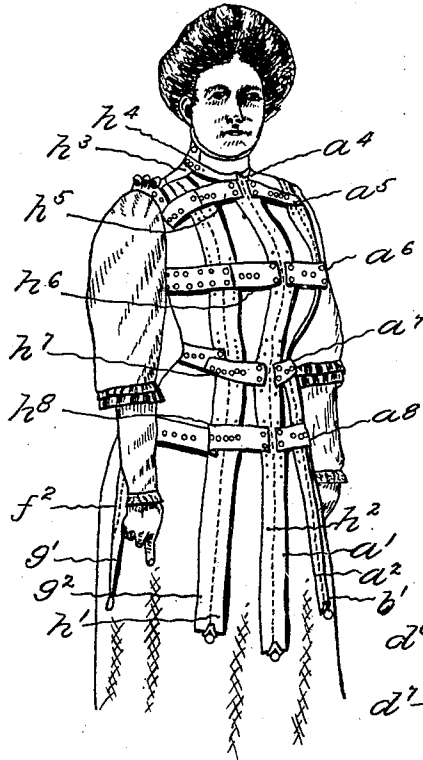
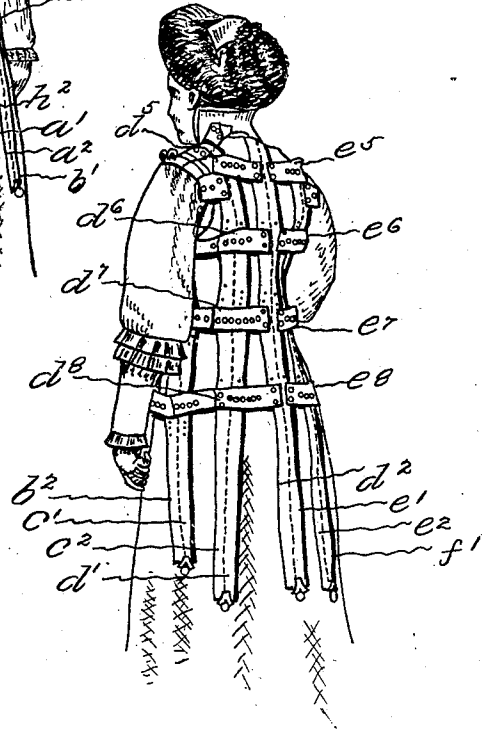


Fig. 4



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UNITED STATES PATENT OFFICE.

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TAILOR'S FITTING APPARATUS.

946,191.

Specification of Letters Patent.

Patented Jan. 11, 1910.

Application filed August 27, 1909. Serial No. 514,845.

To all whom it may concern:

Be it known that I, JOSEF AUGSTEN, a citizen of the United States, residing at Rockville, in the county of Tolland and State of Connecticut, have invented a new and useful Improvement in Tailors' Fitting Apparatus, of which the following is a specification.

This invention relates to an apparatus which is used by tailors for measuring men and women for garments.

It is particularly adapted for the measurement of female figures, although it is applicable to the measurement of male figures.

The object of the invention is to provide a simple apparatus which can be applied to a human form and readily and quickly adjusted for obtaining an accurate measurement of any figure, and then instantly removed and separated into sections, and each section used as a pattern for cutting the goods for the garment which will fit the figure to which the apparatus has been applied.

The apparatus which is illustrated as embodying the invention is made in eight quickly connectible and disconnectible sections. Each section is formed of adjustably joined flexible straps and bands and is designed to correspond to one of the eight gores of which a garment, such as a woman's coat, is usually made up.

Figure 1 of the accompanying drawings shows a plan of the eight sections of the apparatus in various adjustments. The four sections on the left being separated, the two sections on the right of the center being joined, and the other two sections, on the extreme right, being partly joined and partly separated. Fig. 2 shows a part of two sections of the apparatus on much larger scale in order to better illustrate the means employed for adjusting the several parts and for connecting and disconnecting the sections. Fig. 3 shows a front view of the apparatus fitted to a female figure. Fig. 4 shows a back view of the apparatus fitted to the same figure.

The section A is that which corresponds to the front gore on the left side of the middle of the garment. The section B corresponds to the gore on the front at the left side. The section C corresponds to the gore on the back at the left side. The section D corresponds to the gore at the back on the left side of the middle. The section E is the gore at the back on the right side of the mid-

dle. The section F is the right side back gore. The section G is the gore on the front of the right side. The section H is the front gore on the right side of the middle. The straps and bands of all of the sections are made of flexible webbing, tape, or the like fabric.

The section A has two vertically extending straps a^1 , a^2 . These straps are connected by a shoulder band a^3 , a neck band a^4 , a chest band a^5 , a bust band a^6 , a waist band a^7 , and a hip band a^8 . These bands are so termed from the positions they occupy on the person being measured. The several bands and straps are connected by stud and socket fasteners. Preferably a number of studs a^9 are attached to the straps, and a number of sockets a^{10} are attached to the bands adjacent to the several points of connection of the bands and straps. This enables the heights of the points of connection of the bands with the straps, and the distances between the straps, at the points of connection of the bands, to be quickly altered.

The section B has two vertically extending straps b^1 , b^2 . These straps are connected by a shoulder band b^3 , a front arm band b^4 , a chest band b^5 , a bust band b^6 , a waist band b^7 , and a hip band b^8 . These several bands and straps are connected by stud and socket fasteners, there being a number of studs b^9 attached to the straps, and a number of sockets b^{10} attached to the bands adjacent to the several points of connection, to enable the heights of the bands on the straps and the distance between the straps to be quickly altered.

The section C has two vertical straps c^1 , c^2 , which are connected by a shoulder band c^3 , a shoulder-blade band c^4 , a back-arm band c^5 , a bust-line band c^6 , a waist band c^7 , and a hip band c^8 . These straps and bands are provided with detachable fastening studs c^9 and sockets c^{10} .

The section D has two vertical straps d^1 , d^2 . These are connected at the top by a shoulder band d^3 and neck band d^4 , and below by a back band d^5 , a bust-line band d^6 , a waist band d^7 , and a hip band d^8 . These bands and straps are provided with numerous studs d^9 and sockets d^{10} , whereby they may be connected in various relations.

The section E has two vertical straps e^1 , e^2 . These are connected by a shoulder band e^3 and neck band e^4 , a back band e^5 , a bust-line band e^6 , a waist band e^7 , and a hip band

e^8 . These parts are provided with studs e^9 and sockets e^{10} , by means of which they may be connected in different relations.

The section F has two vertical straps f^1 , f^2 , which are connected by a shoulder band f^3 and a back-arm band f^4 , a shoulder-blade band f^5 , a bust-line band f^6 , a waist band f^7 , and a hip band f^8 . These parts are provided with numerous studs f^9 and sockets f^{10} , whereby they may be connected in various relations.

The section G has two vertical straps g^1 , g^2 , and these are connected by a shoulder band g^3 , a front-arm band g^4 , a chest band g^5 , a bust band g^6 , waist band g^7 , and hip band g^8 . Studs g^9 and sockets g^{10} are provided for fastening these parts in various relations.

The section H has two vertical straps h^1 , h^2 , connected at the top by a shoulder band h^3 and neck band h^4 , and below by a chest band h^5 , a bust band h^6 , a waist band h^7 , and a hip band h^8 . Studs h^9 and sockets h^{10} are provided for adjustably fastening these straps and bands.

Applied along the outer edges of each of the vertically extending straps of the several sections, is a member of a separable fastener which is designed to quickly fasten and unfasten the several sections when so desired. The fastener illustrated is of the type disclosed in United States Patent No. 788,317 issued April 25, 1905. One member of this fastener is composed of a series of links e^{11} , and the other member is composed of a series of hooks f^{12} , which members are engaged and interlocked by drawing down the slide e^{12} , in the manner common to this style of fastening. (Fig. 2.)

The sections are joined by engaging the chain members on the edges and drawing down the slides, and they are disconnected by simply pulling apart the straps and causing the slide to slip up in the usual way of separating the members of such a chain fastening. The section H is joined with the section G by engaging the fastening member h^{11} with the fastening member g^{11} and drawing down the slide g^{12} . The section G is connected with the section F by engaging the fastening member g^{12} with the fastening member f^{11} , and drawing down the slide f^{12} . The section F is connected with the section E by engaging the fastening member f^{12} with the fastening member e^{11} and drawing down the slide e^{12} , as shown in Fig. 1. The section E is connected with the section D by engaging the fastening member e^{12} with the fastening member d^{11} and drawing down the slide d^{12} . The section D is connected with the section C by engaging the fastening member d^{12} with the fastening member c^{11} and drawing down the slide c^{12} . The section C is connected with the section B by

engaging the fastening member c^{12} with the fastening member b^{11} and drawing down the slide b^{12} . The section B is connected with the section A by engaging the fastening member b^{12} with the fastening member a^{11} and drawing down the slide a^{12} . When the sections are connected in this manner, the apparatus may be placed upon the person to be measured, and then the section A is connected with the section H by engaging the fastening member a^{12} with the fastening member h^{11} and drawing down the slide h^{12} . After the several sections are secured together in this manner upon the person to be measured, beginning at the top the several bands are disconnected from the straps by separating the sockets from the studs. Then the bands and straps are connected by engaging the proper sockets with the proper studs so that the straps and bands will be held in such manner as to fit and lie smoothly on the figure being measured. When the straps and bands have been adjusted and fastened by the sockets and studs so as to fit the form, the several sections are simply pulled apart on the lines of the separable chain fastenings. These separated sections have the outlines of the several gores necessary to form the garment which will fit the figure of the person upon which the apparatus has been fitted. The sections are then merely laid upon the cloth from which the garment is to be made, and the several gores cut directly from these sections without requiring any further pattern.

This apparatus can be adjusted, by raising and lowering the several bands on the straps and by shortening or lengthening the connections of the bands with the straps, to fit a person of any size or shape, either tall or short, stout or slim, and then instantly removed and used as a pattern, without necessitating the cutting of any further pattern. The parts of course can also be adjusted so as to provide for a full breast, or for a flat breast, and for a straight back or front or a tight back or front, according to the style of the garment to be made.

The invention claimed is:

A fitting apparatus comprising several separable sections, each section having a pair of vertical straps and a plural number of horizontal bands, made of flexible fabric, socket and stud fastenings applied to the several straps and bands, whereby said bands may be connected higher and lower and also longer and shorter with said straps, and a member of a separable chain fastening applied to the outer edge of each strap for uniting the several sections.

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