

No. 658,599.

Patented Sept. 25, 1900.

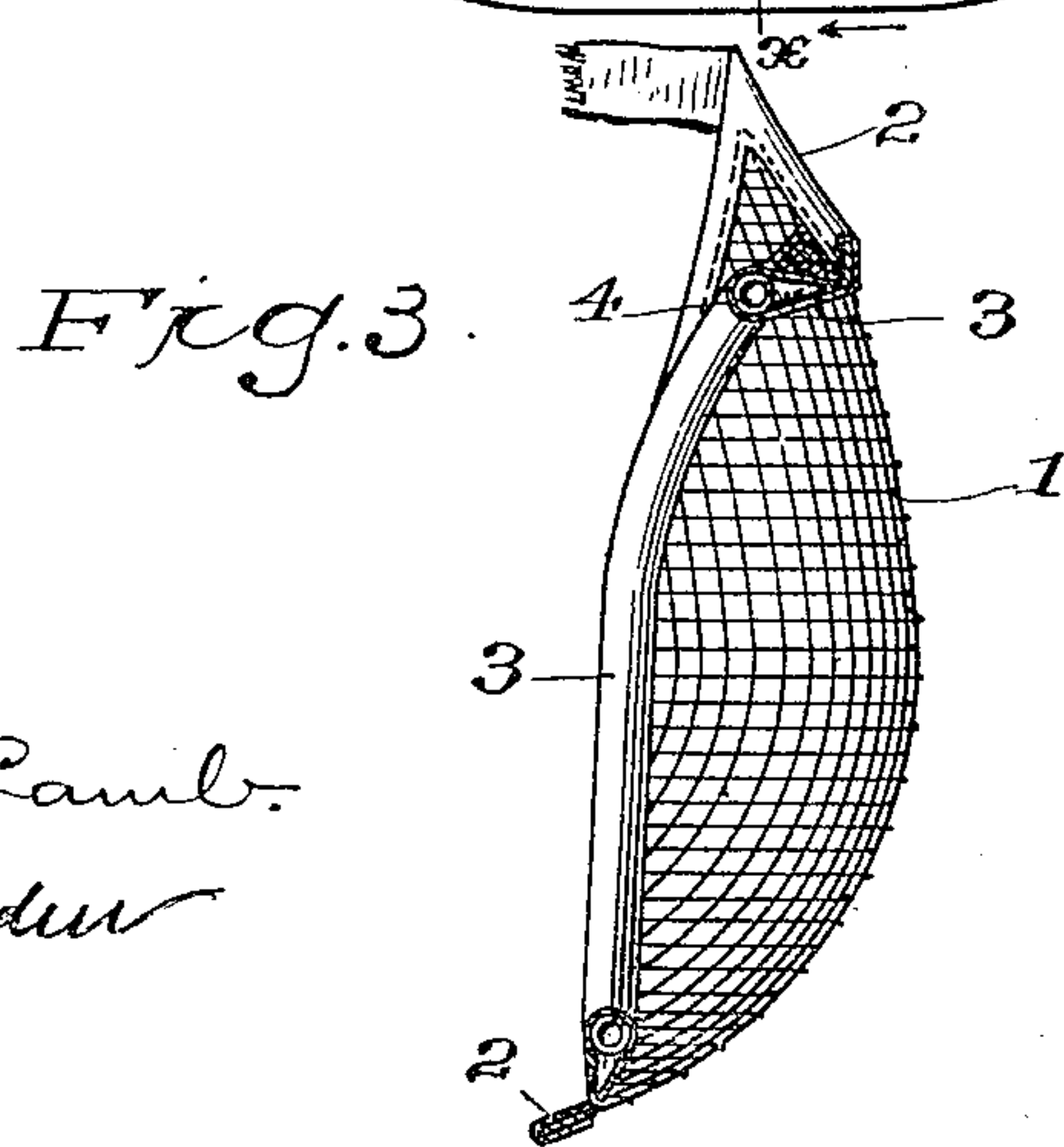
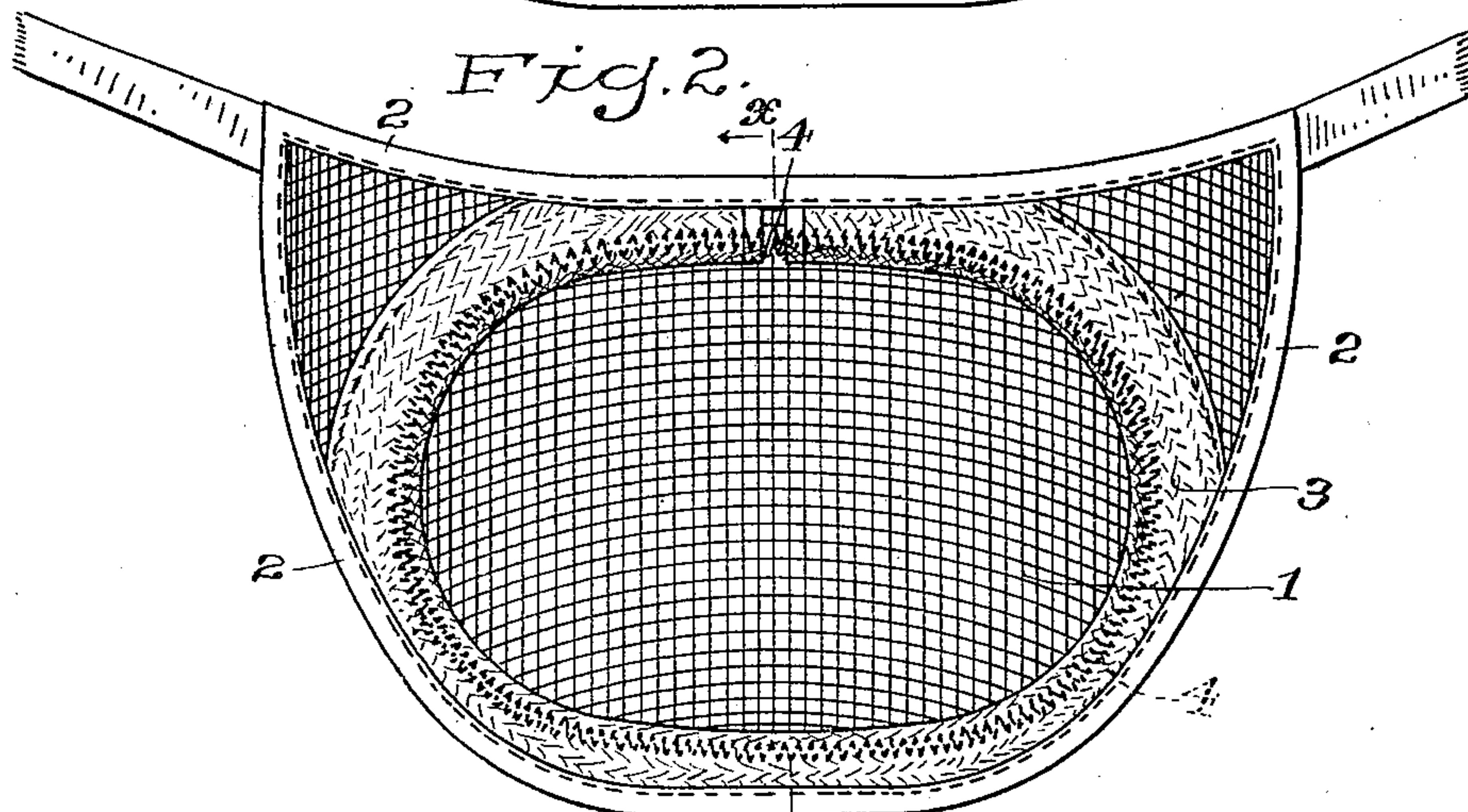
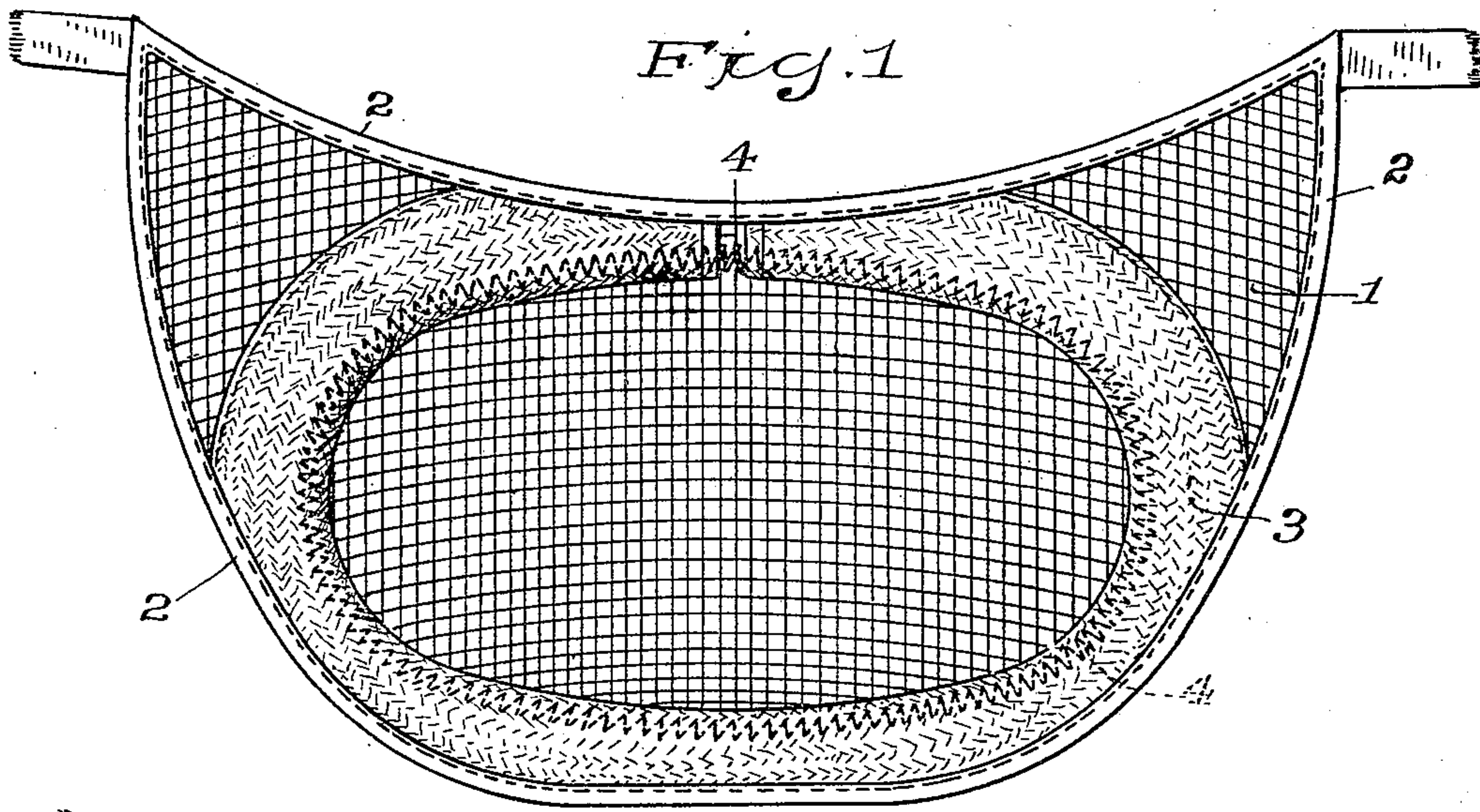
H. H. TAYLOR.

BUSTLE.

(Application filed Aug. 21, 1900.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:

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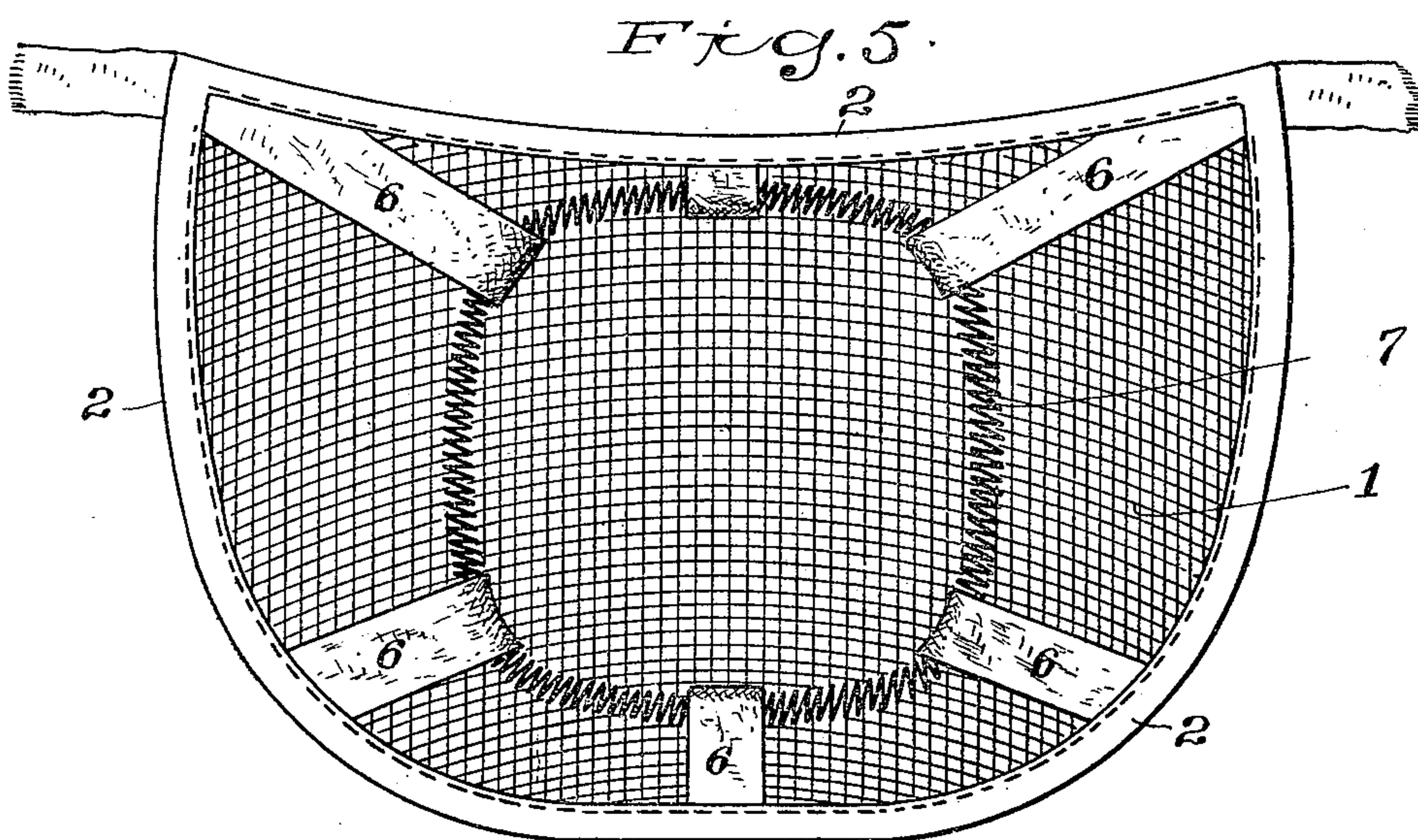
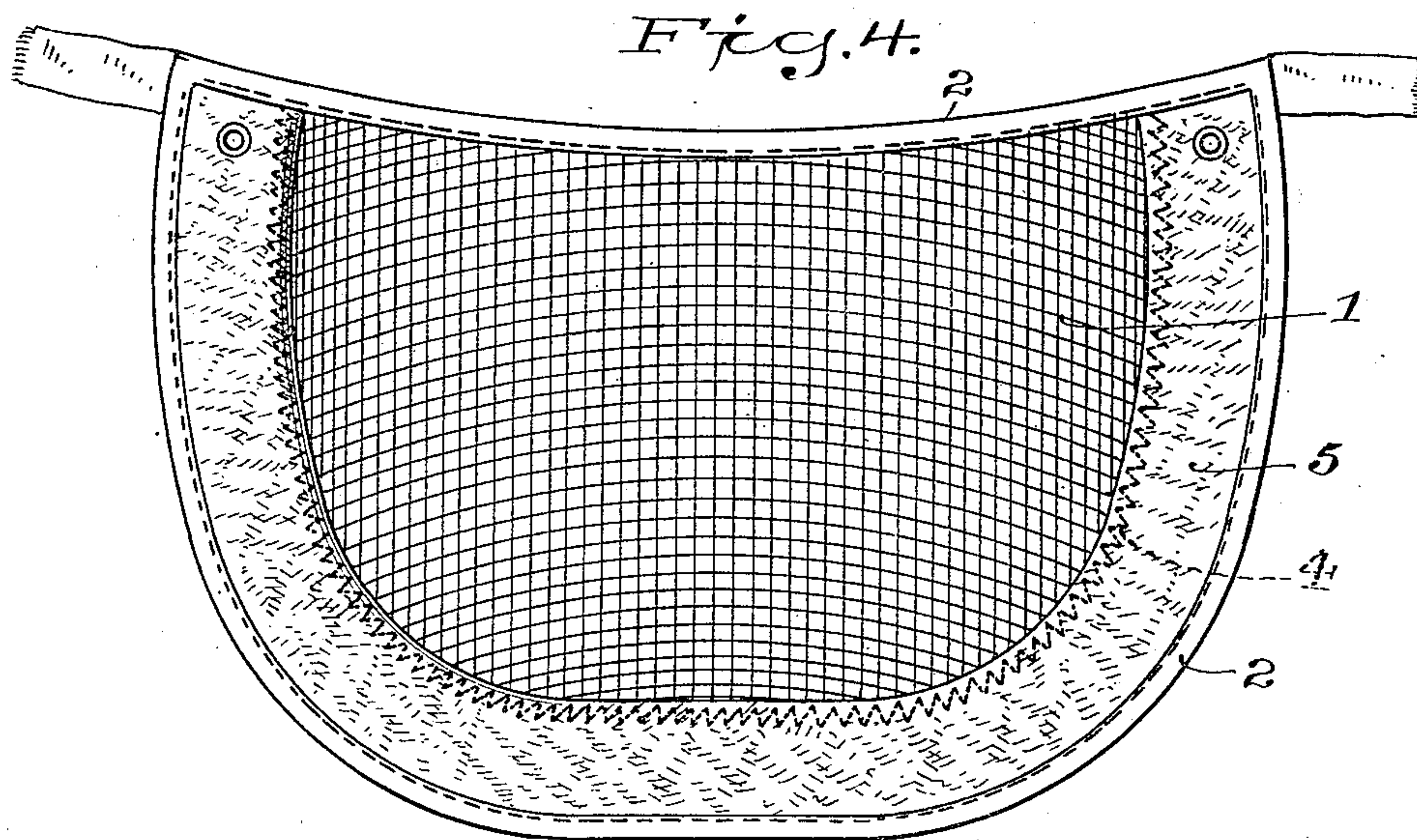
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WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY H. TAYLOR, OF BRIDGEPORT, CONNECTICUT.

BUSTLE.

SPECIFICATION forming part of Letters Patent No. 658,599, dated September 25, 1900.

Application filed August 21, 1900. Serial No. 27,576. (No model.)

To all whom it may concern:

Be it known that I, HENRY H. TAYLOR, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Bustles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in bustles, but more particularly refers to that class of such devices which contemplates a bulging form made of wire-cloth, such as is shown, described, and claimed in Letters Patent of the United States No. 617,452, issued January 10, 1899, to myself and Myron B. Hammond. In this patented construction the blank had the bias-cut edges, and the desired fullness or bulge was obtained by contracting the meshes of the wire-cloth at these bias-cut edges and then securing said meshes in this contracted condition; and the object of the present invention is to obtain the necessary bulge irrespective of any peculiar shape of blank and without the necessity of manually contracting the meshes.

With these ends in view my invention consists in certain details of construction and combination of parts, such as will be hereinafter fully set forth, and then specifically be designated by the claims.

In the accompanying drawings, which form a part of this application, Figure 1 is a rear elevation showing the wire-cloth blank and the coil-spring element in their proper relative positions immediately before said spring has been released and while said blank and spring are in substantially a horizontal plane. Fig. 2 is a rear elevation of my completed bustle; Fig. 3, a section at the line *xx* of Fig. 2; Fig. 4, a view similar to Fig. 1, but showing a modified form of my improvement; and Fig. 5 is likewise a view similar to Fig. 1 and showing another modification of my improvement.

Similar numbers of reference denote like parts in the several figures of the drawings.

In carrying out my invention I take a blank of woven-wire cloth 1 of any suitable shape

and dimensions and preferably bind the peripheral edges with some loosely-woven tape 2. I provide a ring-like pocket 3, which is loosely woven from some flexible material capable of stretching, and within this pocket I place a coil-spring 4, the ends of which are connected together. This pocket is distended to about its fullest extent and is stitched to the wire-cloth blank while in this distended condition, the two parts being united along the major portions of the upper and lower edges of the wire blank. During this operation the wire blank and the pocket containing the coil-spring are in a horizontal plane, as shown at Fig. 1; but when the stitching is completed the coil-spring will by its resilient action cause the periphery of the wire blank to be contracted, thereby producing the proper bulge, as shown at Figs. 2 and 3.

Instead of having a ring-shaped flexible pocket the coil-spring may be contained within a pocket such as is shown at 5 in Fig. 4, which pocket is of a general semicircular shape and is stitched to the bottom and side edges of the wire blank and not along the top edge thereof, or a series of loops 6 may be secured to the outer edges of the wire blank at suitable locations and a coil-spring 7 inserted through these loops, as shown at Fig. 5. This last-named construction is in reality the same as that shown at Figs. 1 and 2, since these various loops constitute nothing more or less than a flexible pocket for containing the coil-spring. I therefore do not wish to be limited to any particular manner of arranging or securing the coil-spring to the woven-wire blank so long as said spring is primarily secured to the blank in distended condition, so that when released the contraction of the coils will effect the bulging form.

Of course it will be obvious that instead of the coil-spring any suitable elastic band or ring, such as rubber or webbing containing rubber, might be employed in this connection, although I prefer the coil-spring, since it is stiffer and more durable, and I therefore do not wish to be limited in this respect.

A bustle made after my present invention possesses advantages that are not peculiar to any other bustle, since it is absolutely impos-

sible to impair the tendency of the woven wire to reassume the bulging form after being depressed so long as the coil-spring is acting in a plane substantially at right angles to that in which pressure against such bulging form is usually applied. Moreover, a bustle made after my present invention requires no backing whatsoever, although in instances where great stiffness is required a backing may be employed, if desired, without departing from the spirit of my invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

15 1. A bustle made from woven-wire cloth and a coil-spring secured in distended condition to said cloth near the periphery thereof, whereby when released said spring will draw said cloth into a bulging form, substantially as set forth.

20 2. A bustle comprising a woven-wire blank of suitable shape and dimensions, and a coil-spring secured in distended condition to said blank around the middle portion thereof, and by its resiliency acting to contract the periphery of said blank whereby a resilient

bulging form is produced, substantially as set forth.

3. In a bustle, the combination of a woven-wire blank of suitable shape and dimensions, a flexible pocket secured to said blank at or about the peripheral edges thereof, and a coil-spring within said pocket and by its resiliency acting to contract said edges whereby a resilient bulging form is produced, substantially as set forth.

4. In a bustle, the combination of a woven-wire blank of suitable shape and dimensions, a ring-shaped flexible pocket stitched to the major portions of the upper and lower edges of said blank, and a coil-spring within said pocket and acting by its resiliency to contract the peripheral edges of said blank whereby a bulging form is produced, substantially as set forth.

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

HENRY H. TAYLOR.

Witnesses:

F. W. SMITH, Jr.,

M. T. LONGDEN.