

M. H. & I. R. HOSACK.
 NAPKIN OR SKIRT PROTECTOR.
 APPLICATION FILED AUG. 3, 1912.

1,058,000.

Patented Apr. 1, 1913.

2 SHEETS—SHEET 1.

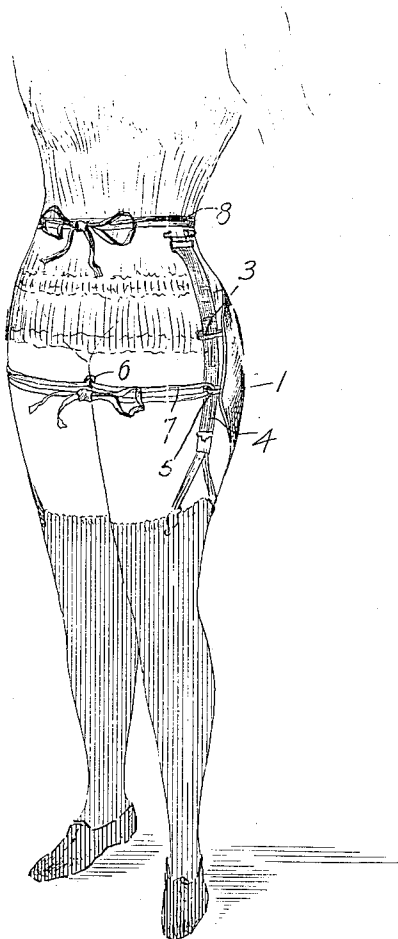


Fig. 1.

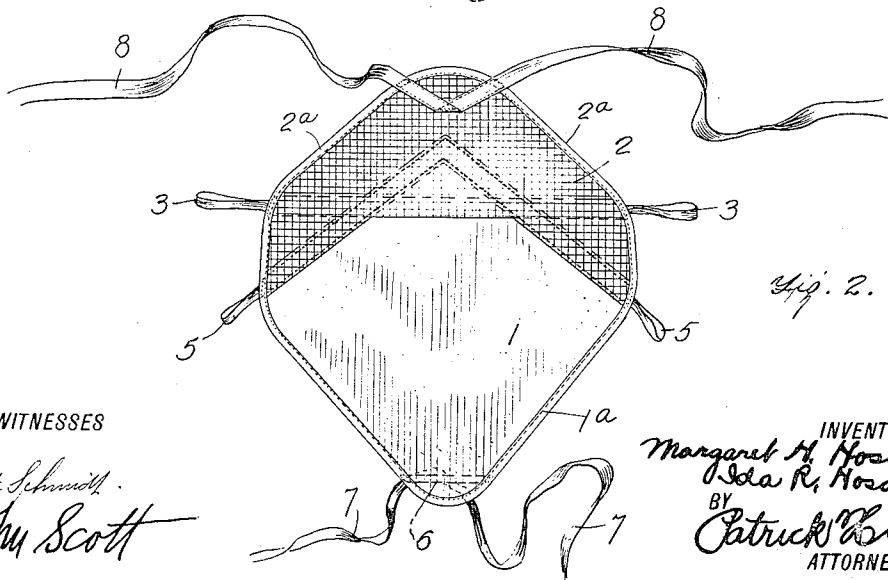


Fig. 2.

WITNESSES

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Fig. 3.

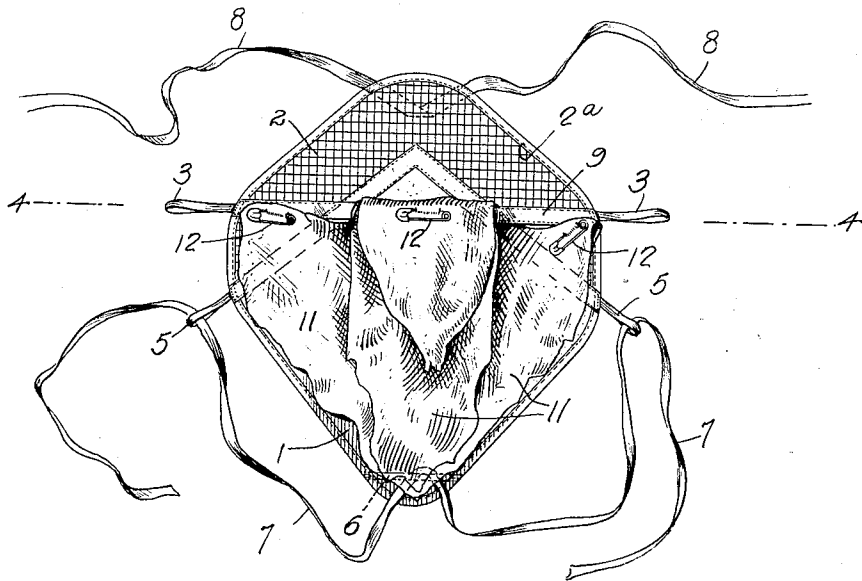


Fig. 4.

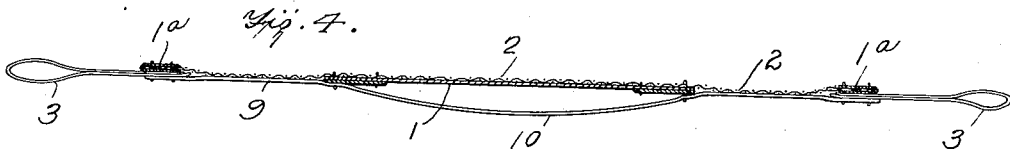


Fig. 5.

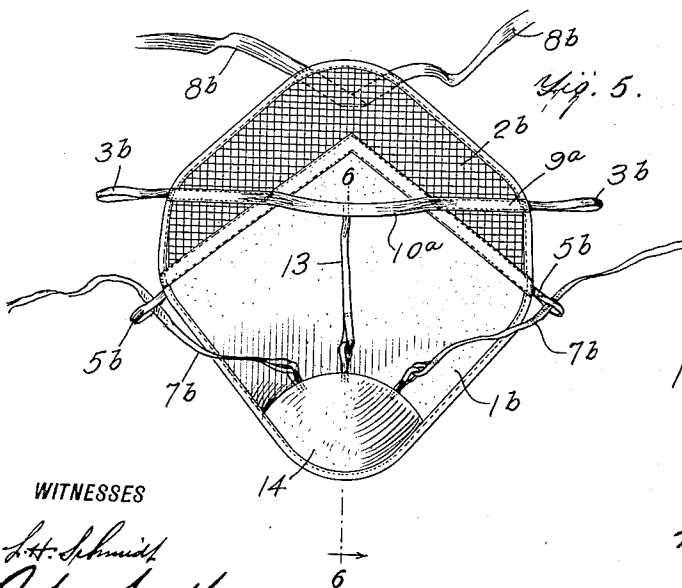
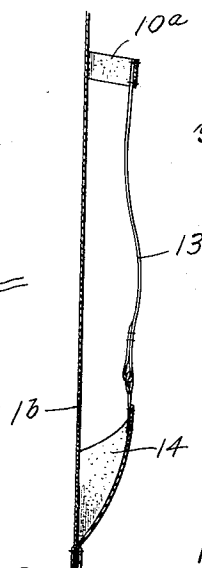


Fig. 6.



WITNESSES

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UNITED STATES PATENT OFFICE.

MARGARET H. HOSACK AND IDA R. HOSACK, OF TOPEKA, KANSAS.

NAPKIN OR SKIRT-PROTECTOR.

1,058,000.

Specification of Letters Patent.

Patented Apr. 1, 1913.

Application filed August 3, 1912. Serial No. 713,131.

To all whom it may concern:

Be it known that we, MARGARET H. HOSACK and IDA R. HOSACK, citizens of the United States, residing at Topeka, in the county of Shawnee and State of Kansas, have invented new and useful Improvements in Napkins or Skirt-Protectors, of which the following is a specification.

The object of this invention is to provide a novel form of napkin, or skirt-shield, to be worn by women during menstrual periods, to insure protection to the underclothing and skirts.

The device of our invention may, also, be worn by women to advantage to protect their skirts from perspiration.

A further object of the invention is to provide a napkin, or skirt-protector, which, while possessing the virtue of adjustability, will be stable in an adjusted position, and, also, conformable to the positions assumed by the human body, whether the wearer thereof be lying, standing, or walking.

With these objects in view, and others appearing as the specification proceeds and the nature of the invention more fully appears the invention consists, generally stated, in a combined netting and rubber-sheet napkin, designed to give hygienic and sanitary comfort and absolute security.

More specifically, the invention resides in a combined netting and rubber-sheet napkin, or skirt-protector, properly sustainable on the human body, against possibility of embarrassing disarrangement, thus providing absolute security to the wearer thereof.

The invention also resides in a combined netting and rubber-sheet structure, both the netting and the rubber-sheet being cut on the bias and arranged so that the entire device conforms to the contour of the human body, giving a perfectly smooth back.

The invention is graphically illustrated in the accompanying drawings, in which like reference-characters denote corresponding parts throughout the several views; and in these drawings: Figure 1 is a front perspective view of a human female figure equipped with one form of our improvements; Fig. 2 is an elevation of our improvements, looking at one side thereof; Fig. 3 is a similar view, looking at the other side thereof; Fig. 4 is a horizontal section, on the line 4—4, Fig. 3; Fig. 5 is an elevation of a modified form of improvements; Fig. 6 is a section on

the line 6—6, Fig. 5, looking in the direction of the arrow.

Referring, now, in detail to the drawings, and, first, to Figs. 1 to 4 thereof: 1 designates a body or sheet of flexible, waterproof material, preferably rubber, which may be medicated and sterilized, if desired, and is advantageously constructed, as shown, so that an imaginary horizontal line running through the center of said body would divide the same into two triangular sections, as it has been found that this is the best form to cover that portion of the feminine figure in connection with which our device is used. The depending, wedge-shaped, lower portion of said sheet 1 is very important, as it has been found, after many experiments in cutting and constructing a device of this character, that this peculiar form is the only one which makes it possible for said lower portion to be drawn up properly and comfortably between the legs of the wearer, when the napkin is positioned upon the human body, as shown in Fig. 1, and as described hereinafter. To the two upper edges and across the top of said sheet 1 is secured, preferably by stitching, as shown, a porous netting 2, preferably of cloth, and constructed so that the free outer boundary edges 2^a, 2^a, thereof describe a triangle, or an inverted "V." Both the netting and the rubber body or sheet 1 may be hemmed, as shown at 1^a, to provide strength and prevent fraying and raveling.

At diametrically opposite points on the hemmed edge of the netting 2 are provided looped straps 3, 3, through which pass the stocking-garters or suspenders 4, as shown in Fig. 1, to hold the napkin, or skirt-protector, against sidewise displacement or shifting. Of course, if desired, these straps 3, 3, may be secured, as by safety pins, direct to the underwear.

Below the loops 3, 3, on the hemmed edge 1^a and preferably at the point of union of the rubber-sheet 1 with the netting 2, are diametrically oppositely disposed loops 5, 5, for a purpose presently to appear.

The lower tip of the rubber-sheet 1 carries a transversely-extending strap 6, secured, at both ends thereof, to the rubber sheet 1. Between this strap and the rubber sheet 1 is passed a tape 7, for a purpose presently to appear.

The netting 2 carries, preferably near the

top thereof and stitched thereto, as shown, a tape 8, which, in the use of our napkin, or skirt-protector, is looped around the waist of the wearer, as shown in Fig. 1, and tied in a knot in front of the body of the wearer, as shown in said figure, thus maintaining the napkin against downward displacement.

The skirt-protector carries transversely thereof, and preferably extending from one strap 3 to the other strap 3, a tape 9, secured, as by stitching, at both ends thereof, and left loose and unsecured at its central region, as at 10, so as to belly outward from the rubber sheet 1 forming a loop, as shown in Figs. 3 and 4. This tape acts as a suspension means for strips of absorbent material, such as cotton, or the like, 11, 11, which may be passed between such tape 9 and the rubber sheet 1 and then draped downward over such tape 9, as shown in Fig. 13, and then, if desired, secured by safety-pins 12, 12, 12. We consider this tape 9 a valuable feature of our invention, as it is exceedingly simple and efficacious for the purpose intended.

In applying our sanitary napkin or skirt-protector to the body, it is placed against the rear of the thighs, *i. e.*, against the buttocks (as shown in Fig. 1), the tape 8 is looped and tied in a knot around the waist of the wearer, the stocking-garters or suspenders 4 are passed through the loops 3, 3 (or said loops secured, in any manner, directly to the underwear), and the lower end of the napkin (that is, the lower end or tip of the rubber-sheet 1) is, by means of the tape 7, drawn or pulled upward between the wearer's legs, at the thigh portions thereof, and toward the wearer's crotch; the said tape 7 is then passed through the loop-straps 5, 5, as shown in Fig. 1, and then the ends of the said tape brought together, in front of the wearer's body, and tied in a knot, as shown in Fig. 1, thereby additionally securing the napkin against displacement, and holding the napkin so as to protect the pelvis.

It may be explained that the netting 2 is considered important, as it provides necessary coolness and ventilation in the use of our napkin.

Referring, now to Figs. 5 and 6, showing a slightly-modified form of device, which is peculiarly adapted for use in connection with bed-confined females: It comprises the rubber sheet 1^b, the netting 2^b, the tapes 8^b and 9^a (the latter having the bellied-out portion 10^a), the loop-straps 3^b and 5^b,—all as described in connection with the device of the preceding figures. This modified form of device is characterized by the fact that it is provided, at the lower portion of the rubber sheet 1^b with a bag or receptacle

14, for the reception of emissions, and thereby insure protection of the clothing and the bedding against soiling. The bag may be properly secured in place, as by stitching along the bottom and two sides thereof, as shown, and by tapes 7^b, 7^b and 13, the tapes 7^b, 7^b corresponding substantially to the tape 7 of the device of the preceding figures of the drawings, and being tied in the manner described in connection with the said device of the preceding figures. The tape 13 is secured, at its upper end, as shown, to the bellied-out portion 10^a of the tape 9^a. Absorbent material or strips 11 (shown in Fig. 3) may also be used in the same position in the device of Figs. 5 and 6, if desired, and, in practice, they will be.

Having thus fully described our invention, what we claim as new and desire to secure by Letters-Patent of the United States is:

1. In a napkin or skirt-protector, the combination with a sheet of waterproof material adapted to be disposed against the buttocks of the wearer, of a netting carried at the top of said sheet, a tape carried by said netting and adapted to be wound around the waist of the wearer, loop-straps carried on both sides of said napkin, a tape carried by the lower end of said sheet, and adapted to be passed through certain of said loop-straps, and a second tape carried by said napkin, transversely thereof, and having the central portion thereof bellied outward from said napkin and unsecured thereto, forming a suspension-loop.

2. In a napkin or skirt-protector, the combination with a sheet of waterproof material adapted to be disposed against the buttocks of the wearer, of a netting carried at the top of said sheet, a tape carried by said netting and adapted to be wound around the waist of the wearer, loop-straps carried on both sides of said napkin, a tape carried by the lower end of said sheet, and adapted to be passed through certain of said loop-straps, a second tape carried by said napkin, transversely thereof, and having the central portion thereof bellied outward from said napkin and unsecured thereto, forming a suspension-loop, and strips of absorbent material carried and supported by and depending from the suspension-loop portion of said second tape.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

MARGARET H. HOSACK.
IDA R. HOSACK.

Witnesses:

R. H. SEMPLE,
JAMES TALTY.