Sept. 26, 1933. W. H. HAILEY 1,928,175

RECEPTACLE FOR URINE

Filed March 11, 1932

Fig. 1.

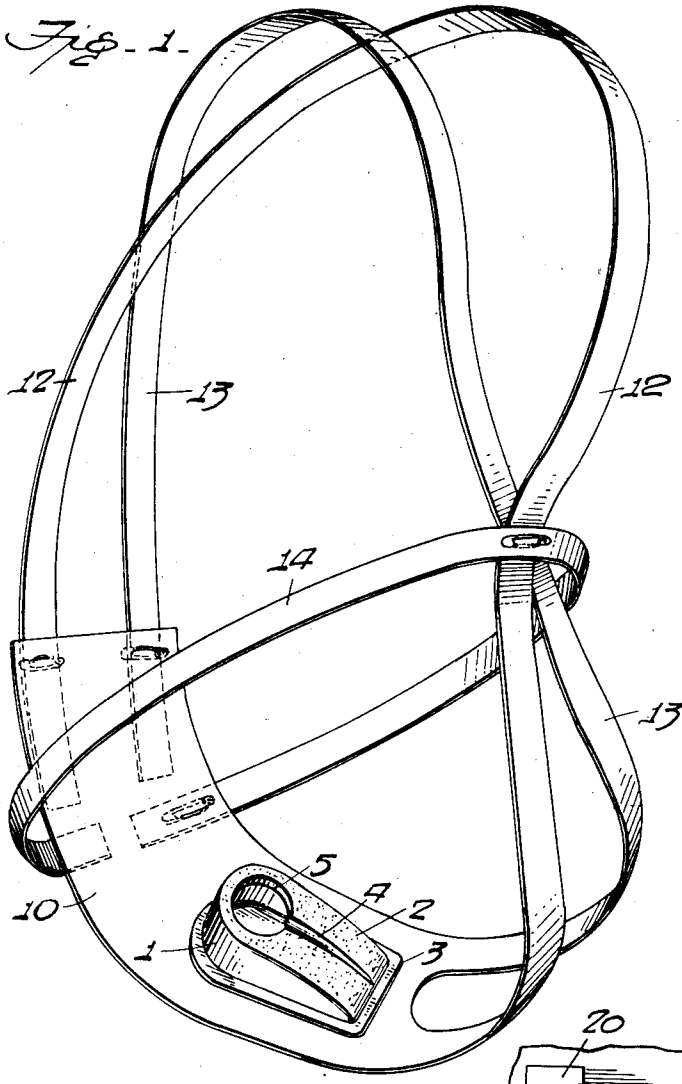


Fig. 4.

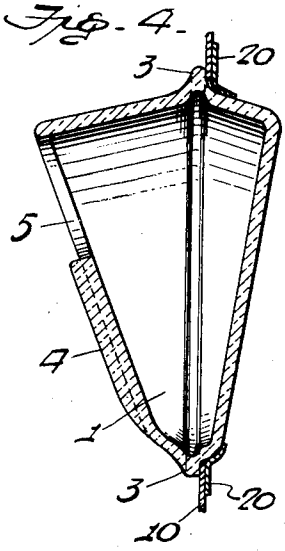


Fig. 2.

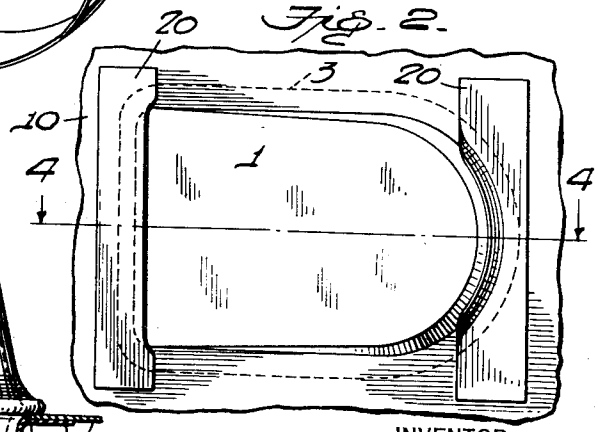
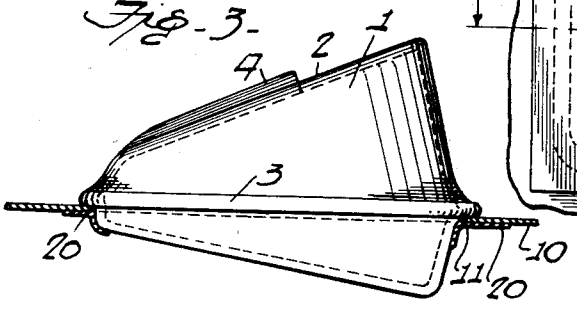


Fig. 3.



INVENTOR
William H. Hailey
BY
Ritter, Mechlin & Neill
ATTORNEYS

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RECEPTACLE FOR URINE

William Howard Hailey, Atlanta, Ga.

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2 Claims. (Cl. 128—295)

The invention relates to means for obtaining specimens of urine as evacuated and has for its object to provide a receptacle adapted to be applied to the urinary organ in such manner as to catch and retain a sufficient amount of the discharged urine for purposes of examination and analysis, the receptacle being preferably removably associated with a harness by means of which it is secured in position without interfering with the other normal functions of the wearer.

The invention is illustrated in the accompanying drawing, in which:

Figure 1 is a perspective view of the receptacle associated with a simple form of harness.

Figure 2 is a fragmentary plan view.

Figure 3 is a side elevation of the receptacle with portions of the accessories in section.

Figure 4 is a section on line 4—4 of Fig. 2.

Referring to the drawing, 1 indicates the receptacle, made of glass or other impervious material to facilitate the cleansing and sterilization of the element. Said receptacle is preferably of the form shown, namely a generally wedge shaped hollow body having a peripheral flange 3, and a top wall inclined downwardly and rearwardly with respect to the longitudinal axis when the receptacle is applied to the person of the wearer the top face being roughened or stippled to resist slipping and having a median rib 4 adapted to be engaged by the labia of the vulva, when applied to a female, to position the device. Near its upper end the top wall is provided with an opening 5 through which the urine is directed from the female organ or through which the male organ is passed when the device is applied to the person.

Although the device is adapted for use upon both males and female of any age it is especially applicable to infants and, when so employed, may be applied in engagement with the urinary organ and be held in position by the ordinary napkin or diaper to receive the discharged urine. The receptacle will, of course, be made in appropriate sizes, to fit the anatomies of the persons to whom they are applied.

It is preferable, however, that the receptacle be associated with a harness or other appropriate holding means for securing and maintaining it in properly adjusted relation to the urinary organs and a relatively simple but effective means to this end is illustrated in the drawing and comprises an apron or sling 10 of textile fabric provided with integral or attached straps or bands 12 and 13 adapted to be passed between the legs and crossed over the back and chest so that it will be supported by the shoulders when the free ends are pinned or otherwise attached to the upper front end of the apron. If desired a belt or band 14 may be provided to prevent slipping of the harness when the wearer moves about. The apron section 10 is provided with an opening 11 formed to fit the contour of the receptacle, so that the flange 3 will overlie the marginal edges of the opening and the receptacle 1 may be securely but removably attached to the apron by strips of adhesive tape 20 or other suitable means.

As thus constructed and applied the device is especially efficacious for use in the case of young children and invalids of both sexes, but may also be used by persons moving freely about without discomfort and without interfering with their other normal functions. It avoids the necessity of attaching the receptacle to the skin by adhesive tape with the consequential irritation and danger of infection; it permits free movement of the bowels without contaminating the specimens of urine collected for examination, lends itself readily to the maintenance of proper conditions of sanitation and obviates the necessity of constant watching and attention when used upon infants or upon persons too ill to control their faculties or functions.

What I claim is:

1. A device for taking specimens of urine comprising a rigid substantially wedge shape shallow receptacle having a top wall inclined rearwardly and downwardly relatively to the longitudinal axis thereof and side walls substantially normal to said top wall and provided with an opening in the upper part of the top wall, a peripheral flange formed on the side walls, an apron having an opening in which the receptacle is mounted with the flange engaging the marginal edges of said opening, and straps connecting the front and rear edges of said apron said straps crossing each other at the front and back and adapted to pass over the shoulders of the wearer.

2. A device for taking specimens of urine comprising a rigid substantially wedge shape shallow receptacle having a top wall inclined rearwardly and downwardly relatively to the longitudinal axis thereof and side walls substantially normal to said top wall and provided with an opening in the upper part of the top wall, a median rib on the top wall extending from said opening toward the lower end of the receptacle and adapted to engage between the labia of the vulva, a peripheral flange formed on the side walls, an apron having an opening in which the receptacle is mounted with the flange engaging the marginal edges of said opening, and straps connecting the front and rear edges of said apron said straps crossing each other at the front and back and adapted to pass over the shoulders of the wearer.

WILLIAM HOWARD HAILEY.