W. M. HENES.

BED PAD.

APPLICATION FILED MAY 1, 1920.

1,377,683. Patented May 10, 1921.

FIG. 1.

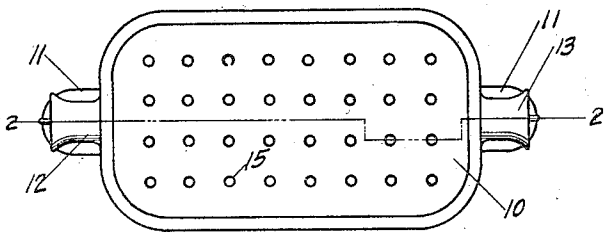


FIG. 2.

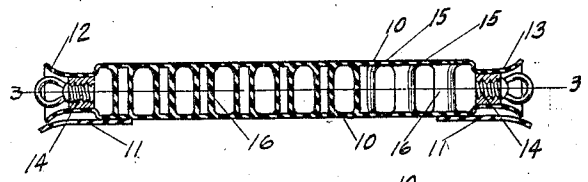


FIG. 3.

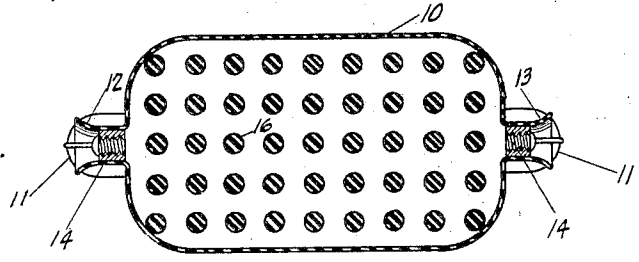


FIG. 4.

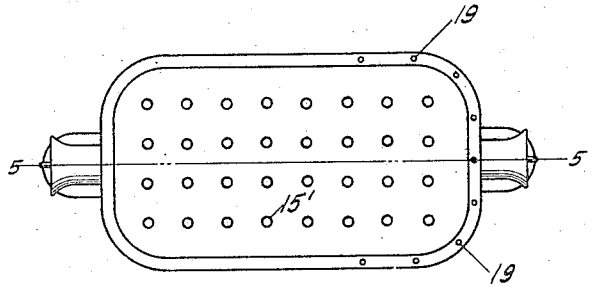


FIG. 5.

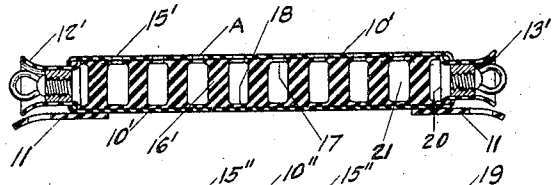
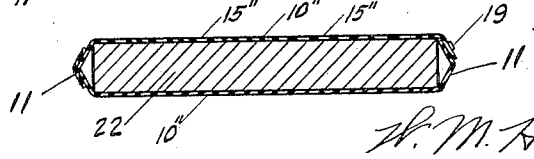


FIG. 6.



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UNITED STATES PATENT OFFICE.

WILLIAM M. HENES, OF AMHERST, OHIO.

BED-PAD.

1,377,683. Specification of Letters Patent. Patented May 10, 1921.

Application filed May 1, 1920. Serial No. 378,097.

To all whom it may concern:

Be it known that I, WILLIAM M. HENES, a citizen of the United States, residing at Amherst, in the county of Lorain, State of Ohio, have invented certain new and useful Improvements in Bed-Pads; 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.

This invention relates to new and useful improvements in pads and particularly to pads which are used in beds in connection with children who are subject to bed-wetting.

One object of the present invention is to provide a novel and improved device of this character whereby the urine will be collected and retained in such a manner that the child will be practically free from the wet condition of the bed, except for such as is retained by the clothing of the child.

Another object is to provide a novel and improved pad of this character which will be soft and comfortable for the child to lie upon.

Another object is to provide a novel and improved device of this character which can be easily and properly cleansed.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:

Figure 1 is a top plan view of a bed pad made in accordance with the invention.

Fig. 2 is a vertical longitudinal central sectional view through the pad, taken on the line 2—2 of Fig. 1.

Fig. 3 is a horizontal longitudinal central sectional view through the pad on the line 3—3 of Fig. 2.

Fig. 4 is a plan view of a modified form of the device wherein arrangement is made whereby the rubber casing may be opened to insert the filler.

Fig. 5 is a transverse sectional view on the line 5—5 of Fig. 4.

Fig. 6 is a transverse sectional view showing the use of a removable absorbent pad used in the openable rubber casing.

Referring to the accompanying drawing, 10 represents a rubber casing somewhat resembling the ordinary hot-water bottle or bag, apertured tabs 11 being formed on the ends of the casing by means of which the device may be handled or hung up when not in use, or when drying. Each end of the casing, as shown in Fig. 1 of the drawing, is formed with a nipple, represented at 12 and 13, respectively, which communicate with the interior of the casing, the former being termed the inlet and the latter the outlet. Threaded into the nipples are the closure plugs 14. As shown in Figs. 1, 2, and 3, the top wall of the casing is formed with a plurality of perforations 15 through which the urine passes to the interior of the casing. Within the casing, and formed integrally with the top and bottom walls thereof, are the rubber posts 16, the same being soft enough to be yieldable under the weight of the child, and comfortable. These posts may be hollow, as shown in Fig. 2, or solid, as shown in Fig. 3, said posts serving to hold the top and bottom walls of the casing properly spaced apart.

To clean the device it is only necessary to remove the plugs 14, engage the inlet nipple 12 with a faucet, turn on the water, and permit the water to flow through the casing for a time sufficient to completely flush it. The casing is then hung up by one of the end tabs to permit the remaining water to drain therefrom, and to finally dry.

In the form shown in Figs. 4 and 5, the posts 16′ are formed integrally with the upper and lower rubber sheets 17 and 18, and this structure slipped into and out of the casing. The casing 10 has the perforations 15′ in its top wall, one end being adapted to be opened for the insertion and removal of the parts 16′ and 17 and 18, suitable snap fasteners 19 being provided to retain the end in closed position. This inner removable structure has the end and side walls 20 and 21, joined to the top and bottom walls 17 and 18, whereby a water-tight casing is formed. The ends are provided with inlet and outlet nipples 12′ and 13′, which pass through openings in the ends of the outer casing 10′.

In the form shown in Fig. 6, an absorbent pad 22 is slipped into the outer rubber casing 10″. This casing is formed similarly to the one shown in Figs. 4 and 5, except that the openings in the ends of the casing are omitted, the top wall of the casing being perforated at 15″. In this form the end of the casing is opened to permit the insertion or removal of the absorbent pad, the

interior of the casing being thus easily cleansed and dried, in a manner readily understood.

There is thus provided a novel and improved device which will effectively prevent the bed clothing from being wet by children who are subject to bed wetting. The device is soft and yieldable so that the child can lie on the pad without any discomfort whatever, while at the same time the child's clothing, as well as the bed clothing are kept from being very seriously wet. Furthermore, the fact that the urine is retained within the casing, and the child held out of contact with the wet pad or the wetness within the casing, prevents the child from getting cold or being chilled.

It will be noted that the top wall of the outer casing of the form shown in Figs. 4 and 5, is perforated in the same manner as the wider walls of the inner pad, whereby to permit the urine to pass into the interior of the inner pad, such perforations being shown at A, in Figs. 4 and 5.

I wish it understood that I do not confine myself to the exact outline of the device, but may make the same concave, convex, or concavo-convex, consistent with the desires of the purchasers.

What is claimed is:

A bed pad comprising a water-proof casing having a perforated upper wall, a bottom wall, regularly spaced yieldable means formed in the casing and connected with the top and bottom walls for spacing said walls apart, and means for passing water through the casing and around the yieldable spacing means.

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

WILLIAM M. HENES.

Witnesses:

WM. A. MILLER,

THOMAS M. CONGER.