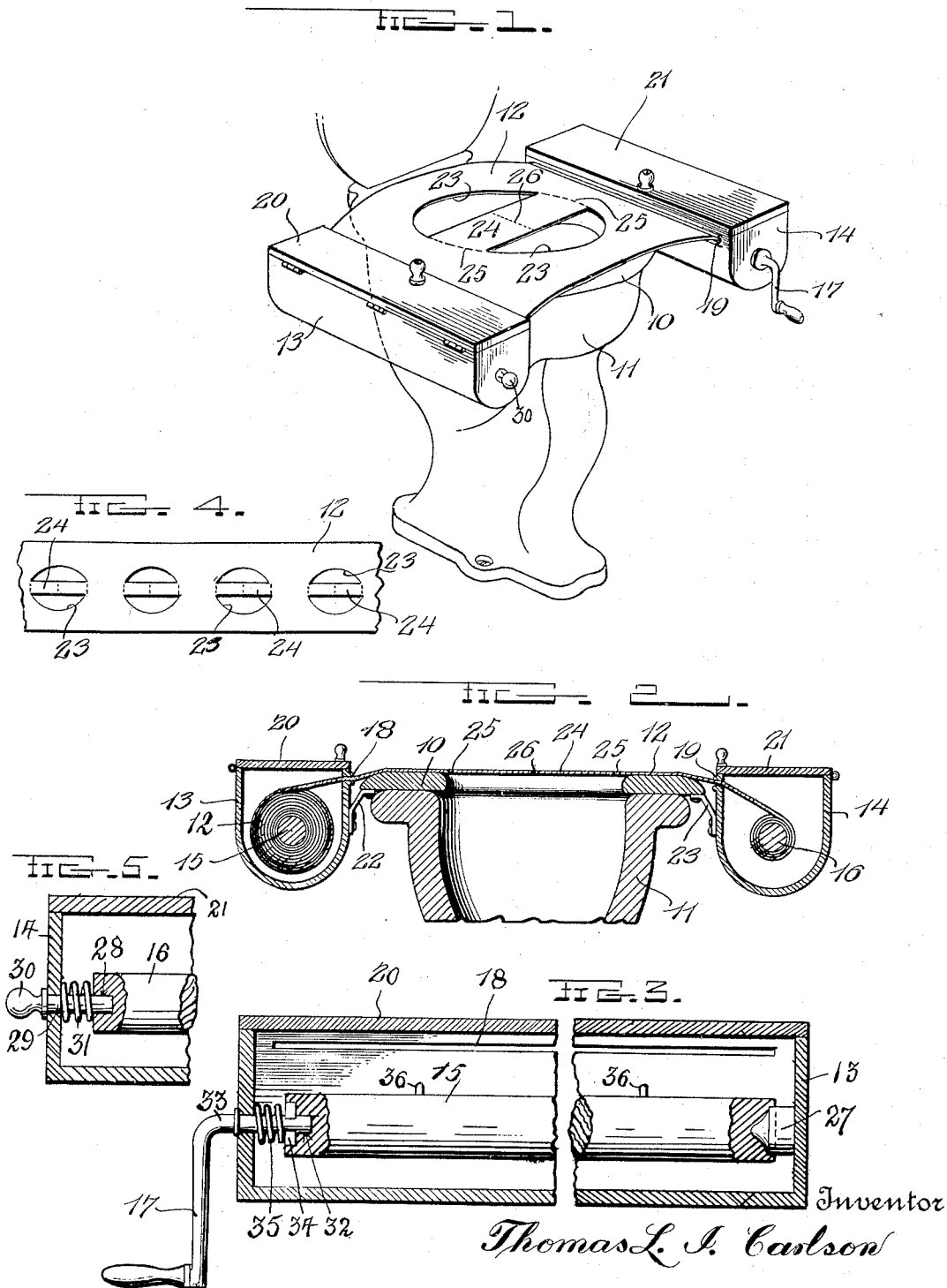


T. L. I. CARLSON.
 PROTECTOR FOR CLOSET SEATS.
 APPLICATION FILED NOV. 14, 1919.

1,363,085.

Patented Dec. 21, 1920.



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THOMAS L. I. CARLSON, OF BOTTINEAU, NORTH DAKOTA.

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1,363,085.

Specification of Letters Patent. Patented Dec. 21, 1920.

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To all whom it may concern:

Be it known that I, THOMAS L. I. CARLSON, a citizen of the United States, residing at Bottineau, in the county of Bottineau and State of North Dakota, have invented certain new and useful Improvements in Protectors for Closet-Seats, of which the following is a specification.

This invention relates to guard devices adapted to be disposed over toilet seats for protecting the occupant of the same, and has for one of its objects to improve the construction and increase the efficiency of devices of this character.

Another object of the invention is to provide a device of this character, comprising a sheet of protecting material having a plurality of openings arranged in pairs at spaced intervals with the material between the openings separated from the body of the sheet by severing punctures only, so that the separable portions may be readily detached for use as toilet paper.

With these and other objects in view, the invention consists in certain novel features of construction as hereinafter shown and described and then specifically pointed out in the claims, and in the drawings illustrative of the preferred embodiment of the invention—

Figure 1 is a perspective view of a conventional water closet with the improvement applied.

Fig. 2 is a section on the line 2—2 of Fig. 1.

Fig. 3 is an enlarged sectional detail of a portion of the web winding drum and casing.

Fig. 4 is a plan view, on a reduced scale, of a portion of the sheet protecting material.

Fig. 5 is a sectional detail of one end portion of the web holding drum.

The improved device may be applied without material structural change to closets of various forms and sizes and to any desired part of the same, but will generally be attached to the swinging seat indicated as a whole at 10 and hingedly coupled in the usual manner to the bowl 11.

The improved device comprises a sheet of protecting material indicated at 12 of any required length and arranged to be wound from one drum to another the lat-

ter mounted in suitable casings at each side of the seat.

The casings 13 and 14 are provided respectively with slits 18 and 19 for the passage of the sheet 12 of the protecting material.

The casing 13 is provided with a hinged cover 20 while the casing 14 is provided with a similar hinged cover 21.

The casings are represented at 13—14 and the drums at 15—16, the drum 16 being the holding drum and the drum 15 the winding drum. Each casing is provided at one end with an inwardly projecting stud, one of which is shown at 27 in Fig. 3, and each drum is provided with an end socket to respectively engage the studs and freely rotate thereon.

The drum 15 is provided with a socket 28 in the other end to receive a spring controlled pin 29, the latter having a terminal knob externally of the casing 13 and a spring 31 to hold the drum from accidental displacement.

By this arrangement a "loaded" holding drum 16 may be readily inserted and the empty drum removed from the casing 13.

The drum 15 is likewise provided with a socket 32 to receive a stud 33, the latter having lateral fins 34 engaging in lateral seats leading from the socket 32.

A spring 35 holds the drum 15 yieldably in position.

The stud 33 is extended into a handle 17 as shown. By this means the drum 15 may be rotated to wind the sheet 12 thereon, as required, and removed from or deposited in the casing 13, as required.

The drum 15 is provided with studs 36 with which apertures in the sheet 12 are engaged to couple the sheet to the drum prior to the winding action.

The casings are attached to the seat 10 at opposite sides by brackets or hangers 22 and 23 with the slits 19—20 slightly below the upper line of the seat 10 as shown more clearly in Fig. 2, so that the sheet 12 will be drawn tightly over the seat, when wound from one drum to the other.

The sheet of material will be initially wound wholly upon one drum and the free end drawn through the slits 18 and 19 and over the seat 10, and attached to the studs 34 of the other drum, or the one having the crank associated therewith.

The sheet 12 is formed with a plurality of openings 23 arranged in pairs at spaced intervals thereby producing tongues or supporting webs 24 of the protecting material 5 between each pair of the openings.

Each pair of the openings 23 conform in outline to the opening in the seat 10 and are slightly less in diameter than the same.

The web portions 24 are united to the 10 body of the sheet by severing punctures only, indicated at 25, while each web is further divided into separable portions by intermediate severing punctures 26, so that the webs can be readily detached for 15 use as toilet paper, after the sheet has been disposed over the seat by actuating the crank 17.

Each person will be able to dispose an unused portion of the sheet over the seat, by 20 simply rotating the crank 17, thereby winding the used portions of the sheet on the drum 15 and unwinding the unused portions from the drum 16 and disposing the perforated portions consecutively over the seat.

25 The sheets 12 may be of any desired

length and containing any required series of the openings 23 and webs 24 and may be of any suitable material, but will generally be of paper of the usual quality of texture employed for toilet paper and may be 30 medicated or rendered disease resisting.

What is claimed is.

1. The within described blank comprising a sheet of seat protecting material having openings arranged in pairs at spaced 35 intervals, the portions of the material between each pair of openings connected to the body of the sheet by severing punctures only.

2. A seat protector comprising a sheet of 40 material having openings in spaced relation and conforming in combined outline with the opening in the closet seat, the material between the openings being connected to the body of the sheet by severing punctures only. 45

In testimony whereof I hereunto affix my signature.

THOMAS L. I. CARLSON.