C. NELSON.

TOWEL PIN.

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900,767. Patented Oct. 13, 1908.

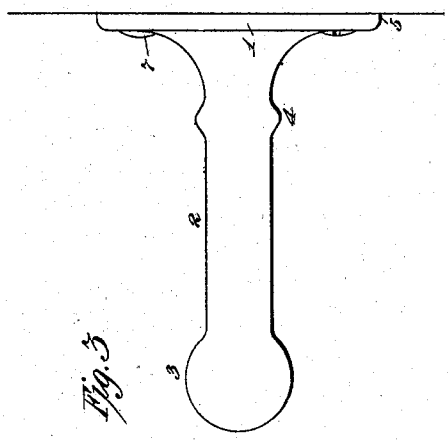


Fig. 3

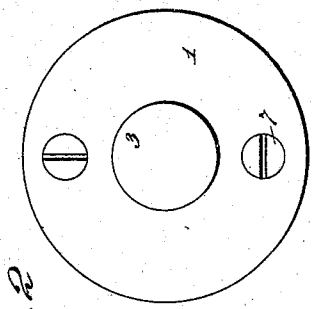


Fig. 2

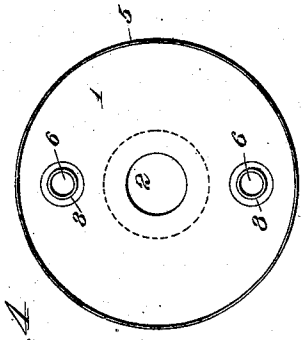


Fig. 4

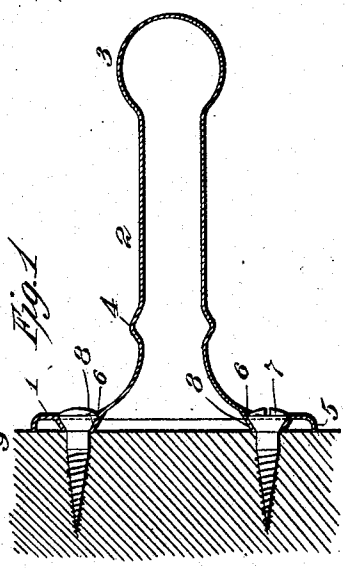


Fig. 1

Witnesses:

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UNITED STATES PATENT OFFICE.

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TOWEL-PIN.

No. 900,767. Specification of Letters Patent. Patented Oct. 13, 1908.

Application filed April 3, 1908. Serial No. 424,917.

To all whom it may concern:

Be it known that I, CHARLES NELSON, a subject of the King of Sweden, and a resident of the borough of Brooklyn, county of Kings, city and State of New York, have invented a new and useful Towel-Pin, of which the following is a specification.

The object I have in view is the production of a pin for use in supporting towels and analogous purposes, such pin being ornamental, cheap to manufacture, and strong and durable. These and further objects will appear from the accompanying drawings and the following specification, considered together or separately.

In the drawings, Figure 1 represents a longitudinal section of one embodiment of my invention illustrating a towel pin secured in position to its support. Fig. 2 is a top plan view of the towel pin illustrated in Fig. 1. Fig. 3 is a side elevation of the same; and Fig. 4 is a bottom view of the same.

In all of the views like parts are designated by the same reference characters.

In carrying out my invention I produce a towel pin made of a single piece of sheet metal, formed to shape by a spinning operation. The pin comprises a base 1, a shank 2, and an enlarged spherical head 3. Near the base of the shank 2 is an enlargement 4. The edge of the base 1 is provided with a flange 5. In the base are made one or more openings 6 for the introduction of screws 7. The screws illustrated are flat-head wood screws which lie within countersink cups 8 formed in the base 1. The heads of the screws are flush with the base, as shown. The walls of the countersink cups 8 are inclined so that they lie parallel with the sides of the head of the screw, as shown in Figs. 1 and 4. The length of the cups is substantially the same as the depth of the flange 5, so that when the pin rests against the base 9 they will serve as a rigid support for preventing distortion of the base 1, by the drawing-in of the screws.

For the purpose of reducing expense and also to make the device light, it is made preferably of sheet metal of as small a gage as is possible to work by the spinning operation. This metal is not strong enough ordinarily to resist the drawing-in action of a screw powerful enough to sustain the pin in position when subjected to the weight of towels and other things hung upon it. By providing the cups and making them of such a depth that they will bear against the base 9 when the edges of the flange 5 also engage with the base, a rigid support is produced and the base will not be distorted by the drawing-in action of the screws. These countersink cups also serve the additional purpose of allowing flat-headed screws to be used and permitting them to be entirely countersunk within the base, so that the head of the screw is flush with the base.

So far as I know, I am the first to produce a towel pin formed of a single piece of sheet metal spun to shape and with a spherical head 3 on its periphery. This head not only serves as a means for ornamenting the pin, but it avoids the sharp point ordinarily found upon towel pins, and therefore serves as a protection to prevent injury to the persons who may accidentally come in contact with the end of the pin. An enlarged head also serves the purpose of a flange for preventing the towels or other articles supported upon the pin from becoming disengaged from the pin. The enlargement 4 serves the purpose of keeping towels hung upon the pin from coming in contact with the base.

My invention can be used in connection with pins of all sorts and in other analogous articles. The feature of the countersinks in the base may also be used upon any objects formed of sheet metal and having a base with a flange.

In accordance with the provisions of the patent statutes, I have described the principle of my invention, together with the apparatus which I now consider to represent the best embodiment thereof, but I desire to have it understood that the apparatus shown is merely illustrative, and that the invention can be carried out in other ways.

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

1. A towel pin formed of sheet metal and having a base, a flange thereon, screw holes and countersink cups for the screw holes, the depth of the cups being equal to the depth of the flange.

2. A towel pin formed of sheet metal and having a base, screw holes therein, and countersink cups for the screw holes, which are

engaged with the support when the pin is secured thereto, the greater part of the base being held at a distance from the support equal to the depth of the cups.

3. A towel pin formed of sheet metal, spun to shape, with an enlarged spherical head, a flanged base, screw holes in the base, and countersink cups for the screw holes, the depth of the countersink cups being equal to the depth of the flange.

This specification signed and witnessed this 31st day of March, 1908.

CHARLES NELSON.

Witnesses:

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