

R. PETERSEN.
 DRYING APPARATUS.
 APPLICATION FILED FEB. 27, 1907.

910,720.

Patented Jan. 26, 1909.

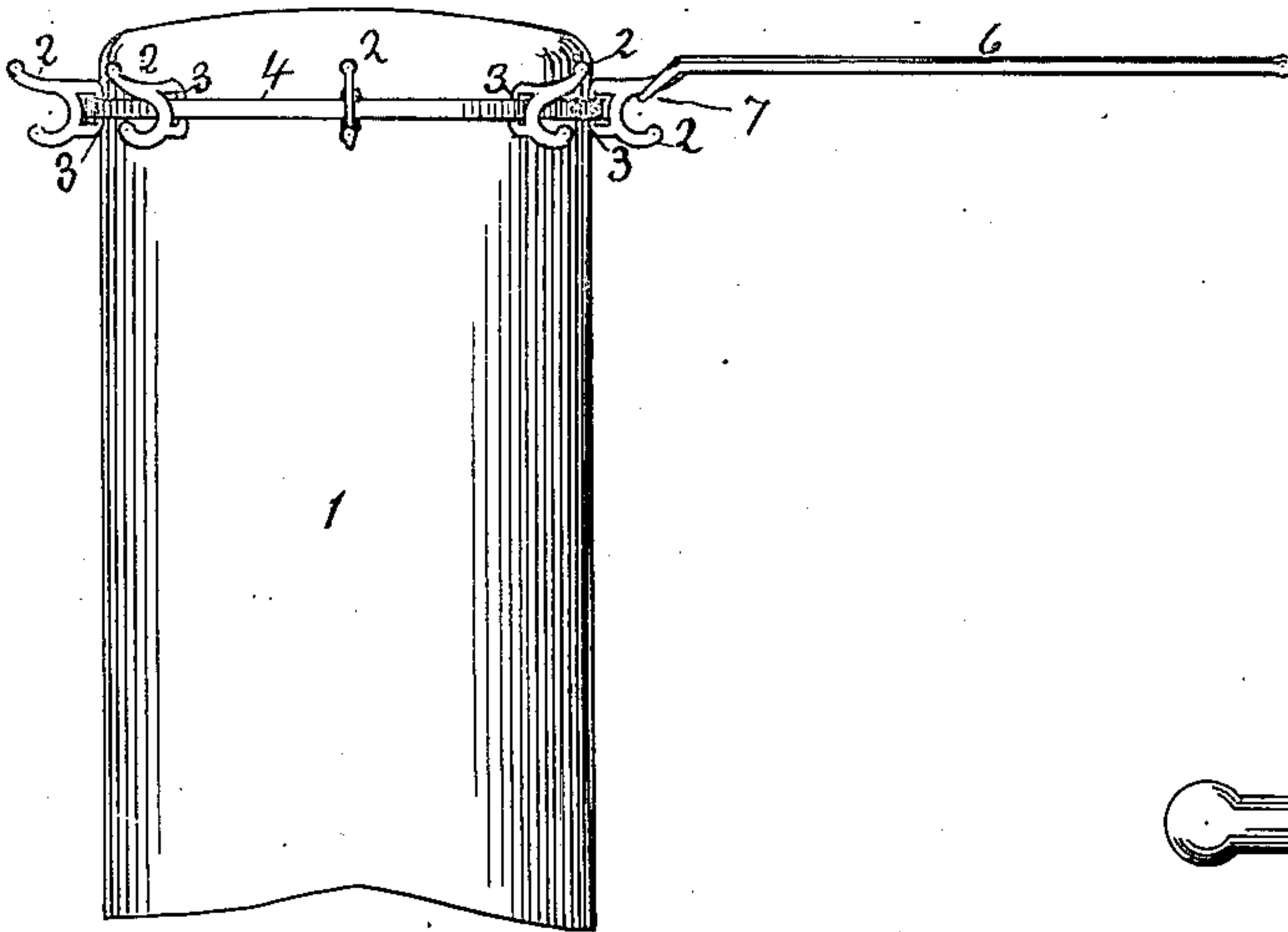


Fig. 1

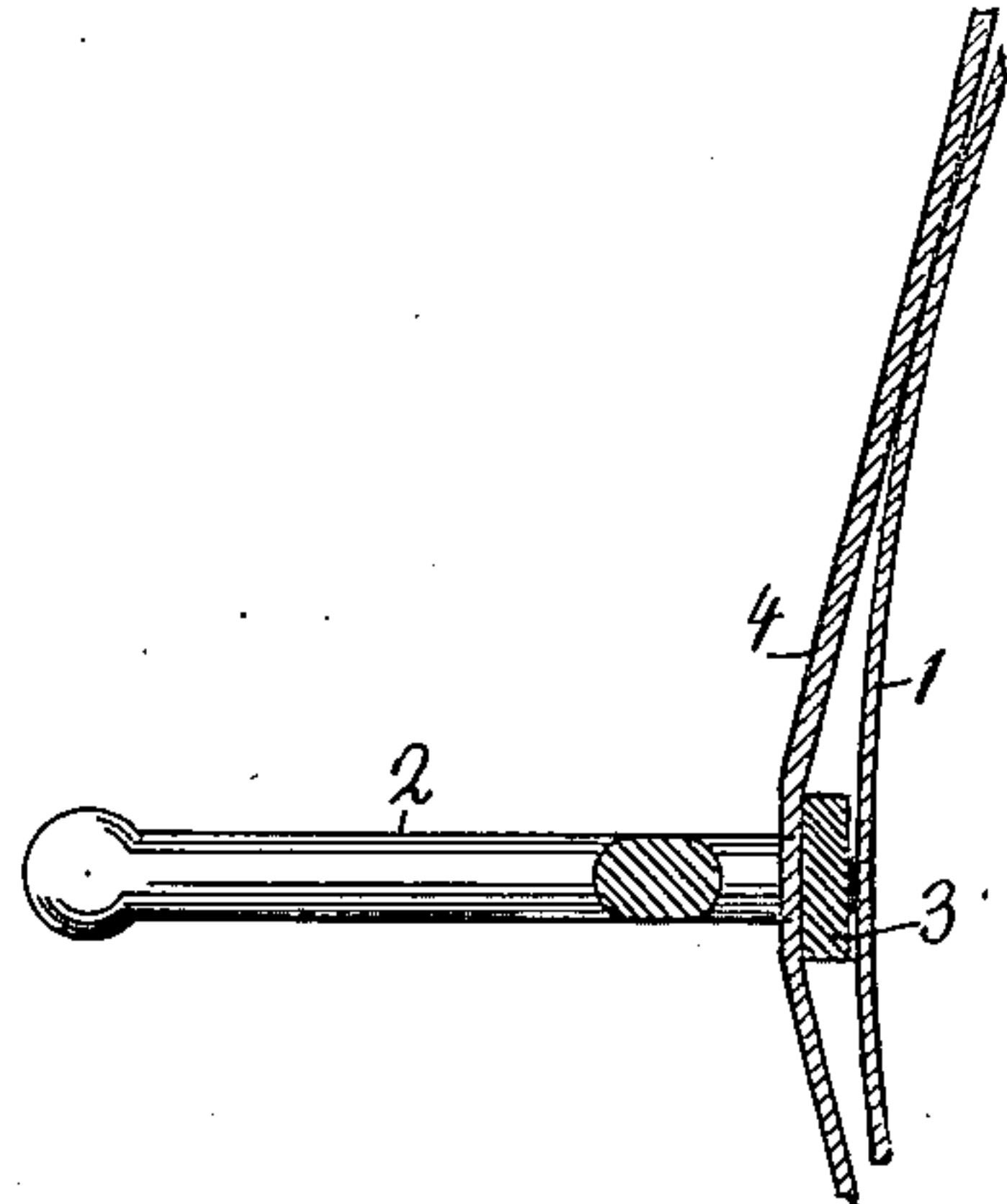


Fig. 5

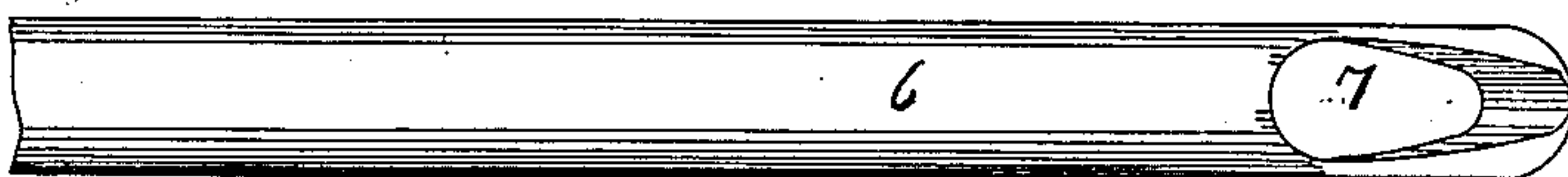


Fig. 4

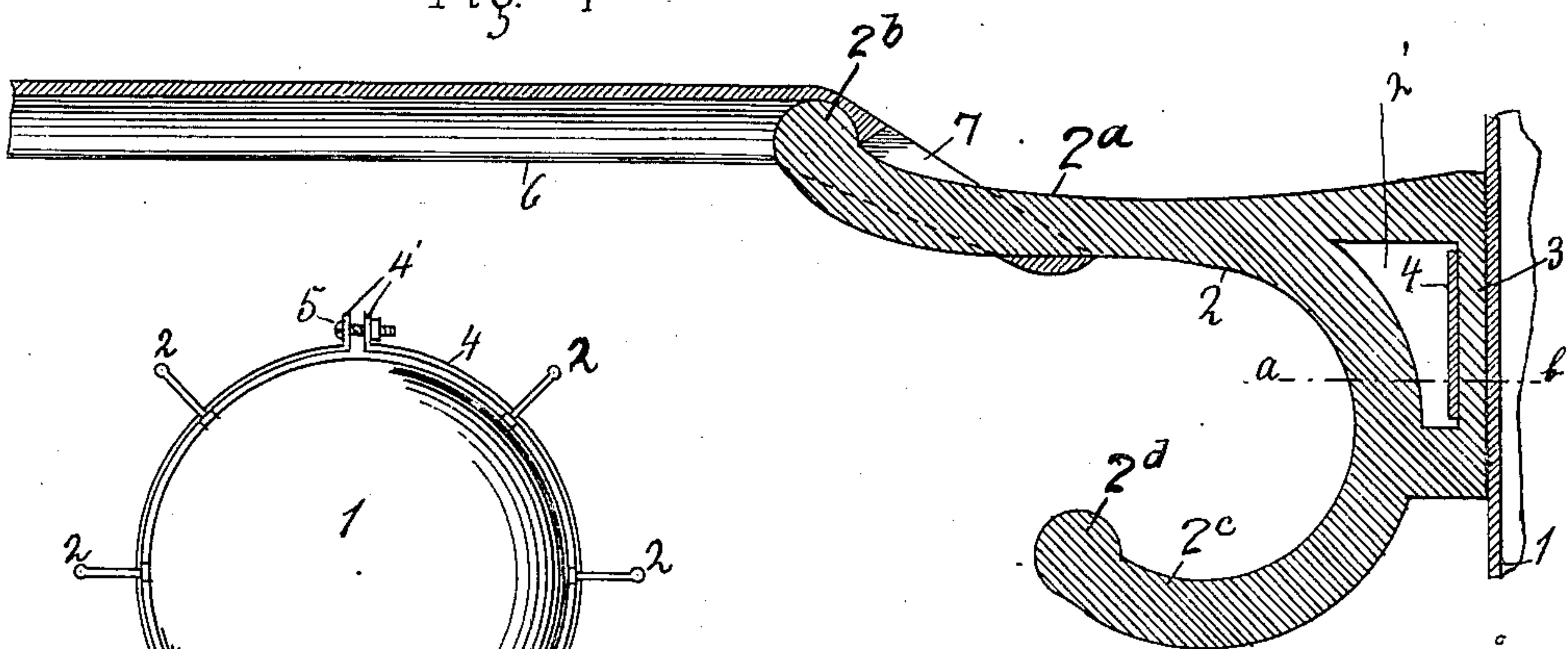


Fig. 3

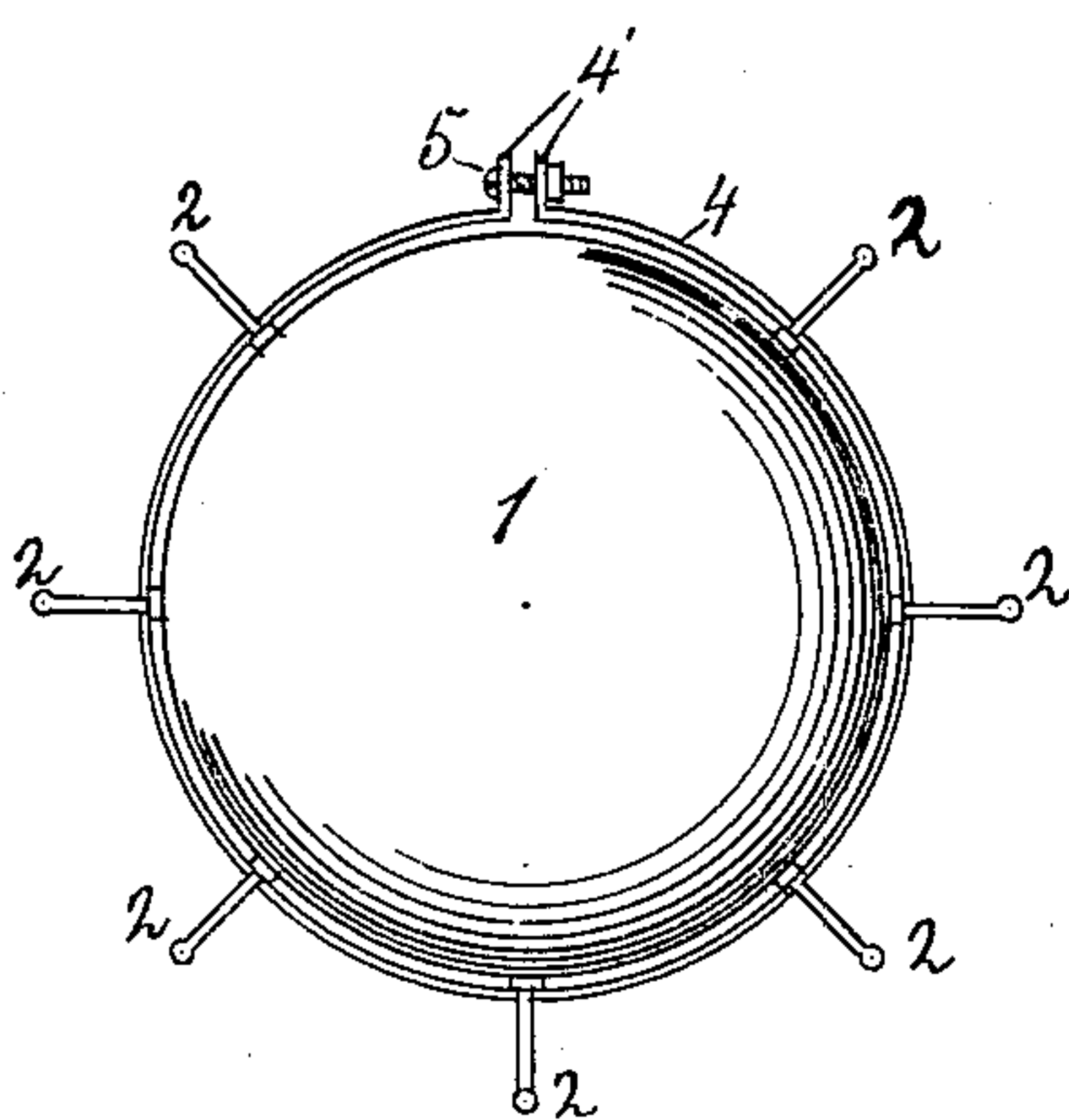


Fig. 2

Witnesses
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UNITED STATES PATENT OFFICE.

RASMUS PETERSEN, OF ASBURY PARK, NEW JERSEY.

DRYING APPARATUS.

No. 910,720.

Specification of Letters Patent.

Patented Jan. 26, 1909.

Application filed February 27, 1907. Serial No. 359,672.

To all whom it may concern:

Be it known that I, RASMUS PETERSEN, a subject of the King of Denmark, residing at Whiteville, Asbury Park, in the county of Monmouth and State of New Jersey, have invented a Drying Apparatus, of which the following is a specification.

My invention relates to drying apparatus particularly for domestic use in kitchens and similar relations where there is a hot water boiler of the ordinary vertical cylindrical type. Such a boiler is particularly advantageous for drying purposes, since it is uniformly warmed throughout a very large area to a temperature which in no case is high enough to scorch or burn any fabrics. In other words, the surface of a boiler of this type radiates a large amount of heat at a low actual temperature, which is a condition particularly advantageous to the purposes of drying.

My invention consists in a device or attachment for a kitchen boiler of the above class and which furnishes a rack for supporting towels, clothes and fabrics in proximity to the heated surface of the boiler, and at the same time in such a way that they are freely exposed to a circulation of air. I make use of a band or girdle which surrounds the boiler and supports certain hooks which thereby project radially at spaced intervals from the boiler surface. I also provide extension rods by which the hooks are virtually converted into elongated racks or bars adapted to smoothly receive and support ironed fabrics.

With these and various other objects in view, my invention consists in the features of construction and combination as herein-after set forth and claimed.

In the drawings, Figure 1 is a side elevation of a kitchen boiler having a drying rack embodying the principles of my invention applied thereto. Fig. 2 is a top plan view. Fig. 3 is a vertical sectional view showing one of the hooks and an extension rod; Fig. 4 is a bottom plan view of the extension rod; and Fig. 5 is a horizontal sectional view taken on the line *a—b* of Fig. 3.

Referring to the drawings in which like parts are designated by the same reference sign, 1 indicates a kitchen boiler of the ordinary or any usual form, generally having a vertically disposed cylindrical outline. Upon this boiler I apply a band or girdle 4, preferably of flexible sheet metal, and having ears

or offset portions 4', adapted to be connected by a bolt 5.

As illustrated in Fig. 2, the ears 4' are not designed to be brought actually together when in use, but are separated by a certain space through which the bolt extends, and which provides the double function of an adjustment for boilers of slightly varying size, and also obtaining an absolutely tight locking or binding engagement when adjusted. In conjunction with the band or girdle 4, there are provided a plurality of hooks 2 with flat rear faces 3, and openings 2', through which the band or girdle 4 may be passed.

The hooks 2 are preferably made of integral cast iron with a portion 2^a which is curved slightly upward and having a round transverse section and an extremity 2^b which is enlarged into a round or spherical knob. The hook also has a lower member 2^c which also constitutes a hook and terminates in a round or spherical knob 2^d. As many of these hooks are assembled upon the band as desired, and thereafter are tightly fixed in any desired radial positions on the boiler by tightening the bolt 5. In this action, the band 4 is caused to stretch tightly between the individual hooks in the manner shown in Fig. 5, tightly clamping them in their predetermined positions. These hooks take up but very little room, and are not unsightly or in the way, and are always available for towels and similar articles. In order to properly dry ironed clothes or fabrics, I provide extension rods 6, which are formed to fit over and be rigidly supported by the hooks 2. The extension rods 6 may be of widely varying forms in practice. I have illustrated a construction having an opening 7, through which the end of the hook 2 may be received, in which relation there is a supporting engagement established on the upper and lower surfaces of the hook adapted to rigidly hold the extension rod 6 in a radial position. The rod 6 can always be disengaged by simply lifting it slightly and withdrawing it outward from over an end of the hook 2. It is evident that the rods 6 are adapted to project in radial directions from the convex surface of the boiler and in this relation they support the clothes and fabrics to be dried most efficiently to obtain a circulation of air thereabout. When their use is no longer required, the extension rods 6 may be removed, or they may be displaced inward on the hooks

so as to depend or hang downward idly alongside the boiler surface. As many hooks may be provided as desired, and it is evident that several rows of hooks may be grouped
5 about the same boiler by having different bands or girdles at different vertically spaced points thereon.

What I claim, is:—

10 1. A drying apparatus comprising a band or girdle adapted to surround a kitchen boiler, means for adjusting said band or girdle to boilers of varying sizes, hooks having holes through which said band or girdle is passed and having upwardly curved por-
15 tions terminating in an enlarged rounded or spherical knob, and extension rods having a hole through which said hook is received and having a rounded or concaved portion adapt-

ed to rest on the rounded knob of the hooks, whereby said rods are rigidly supported upon 20 the hooks.

2. A drying apparatus comprising a band or girdle adapted to surround a kitchen boiler, hooks received on said band or girdle, and extension rods having holes loosely fit- 25 ting over the ends of said hooks and adapted to be rigidly supported thereby in radially projecting relation from the boiler.

In testimony whereof I have signed my name to this specification in the presence of 30 two subscribing witnesses.

RASMUS PETERSEN.

Witnesses:

ELISIUS NIELSEN,
PETER PETERSEN.