

No. 863,427.

PATENTED AUG. 13, 1907.

J. P. NIKONOW.

BOX CLOSURE.

APPLICATION FILED JUNE 5, 1906.

FIG. 1.

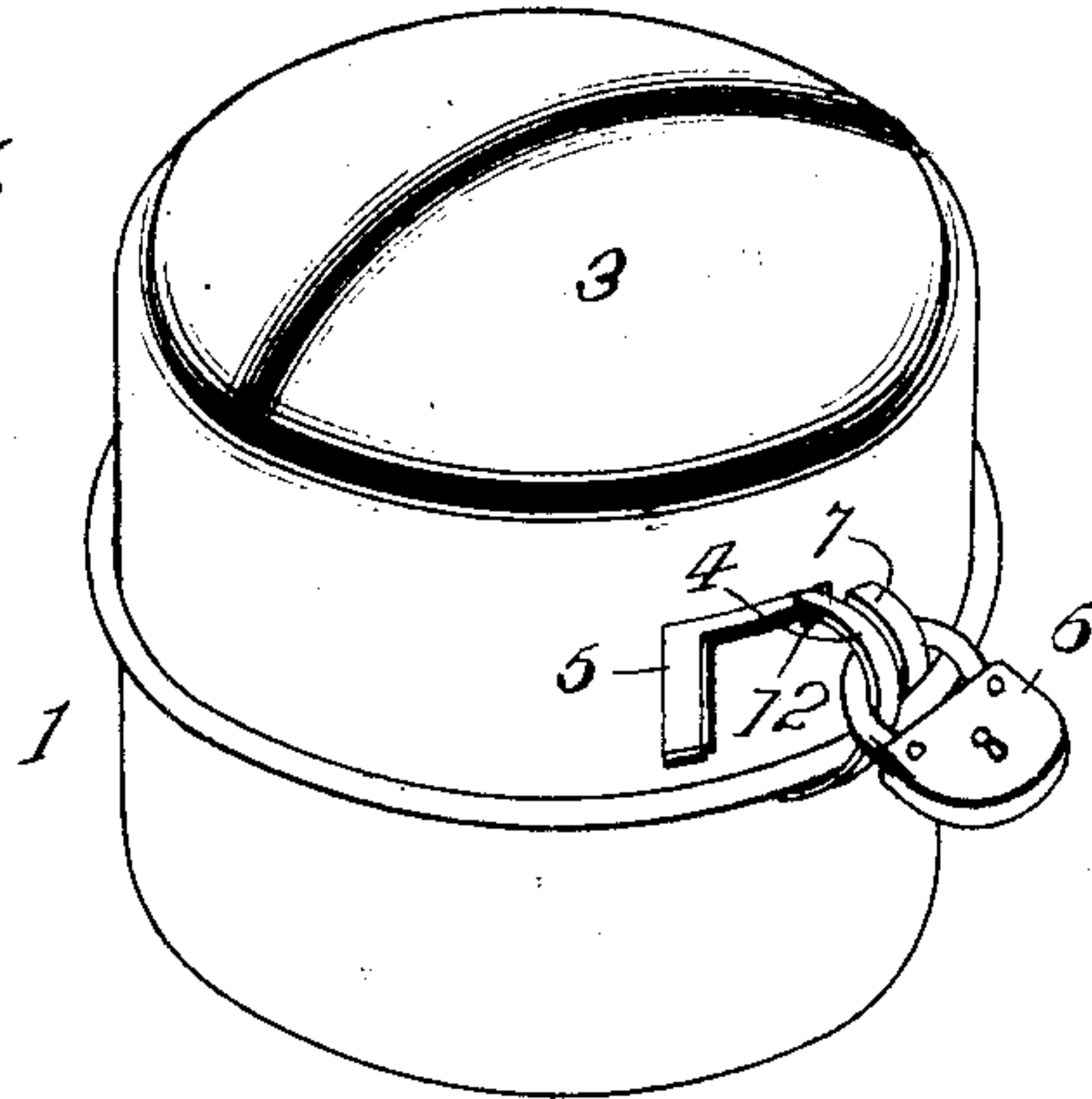


FIG. 2.

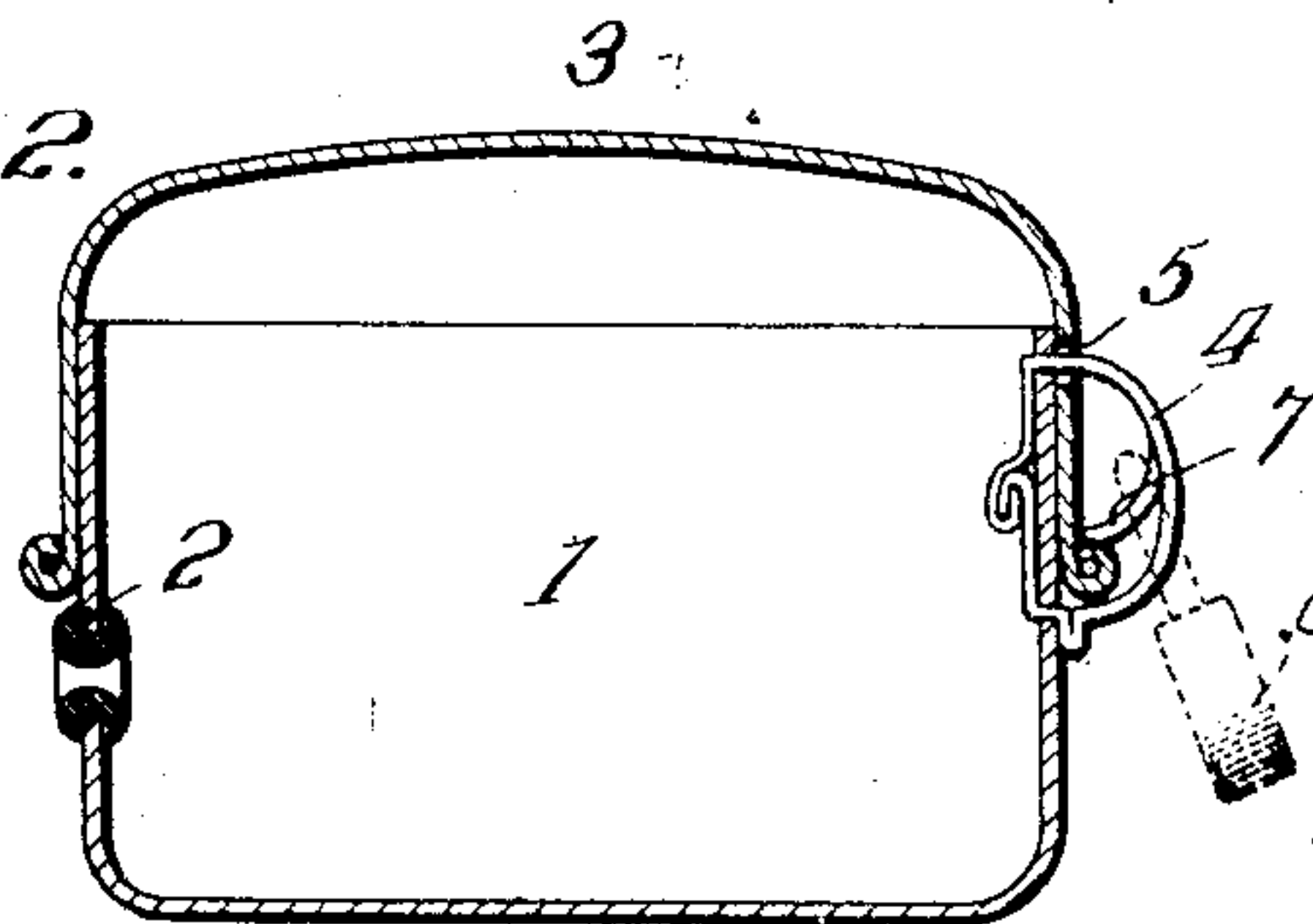


FIG. 3.

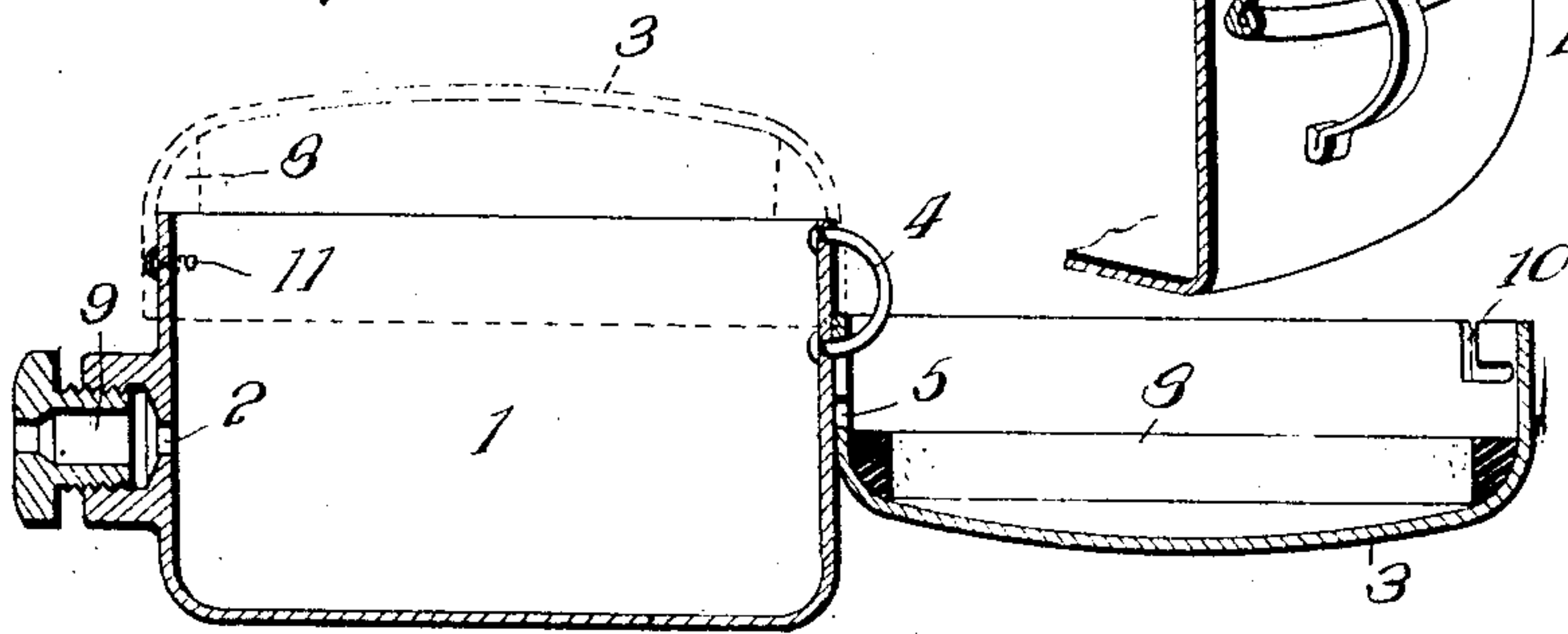


FIG. 4.

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UNITED STATES PATENT OFFICE.

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BOX-CLOSURE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN P. NIKONOW, a subject of the Czar of Russia, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Box-Closures, of which the following is a specification.

This invention provides a box or case of novel formation particularly designed for inclosing an electric fuse, switch, plug or like part required to be protected.

10 For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result, reference is to be had to the following description and accompanying drawings.

15 While the invention may be adapted to different forms and conditions by changes in the structure and minor details without departing from the spirit or essential features thereof, still the preferred embodiment is shown in the accompanying drawings, in which:

20 Figure 1 is a perspective view of a box or case embodying the invention. Fig. 2 is a vertical central section of the box. Fig. 3 is a view similar to Fig. 2 of a modification showing the cover thrown open. Fig. 4 is a detail view in perspective showing more particularly the hinge connection between the box and cover.

25 Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

30 The box or body of the case is indicated by the numeral 1 and is preferably of circular outline and is provided in a side with one or more openings 2 through which the electric wires pass, a bushing or like part reinforcing the opening and acting as an insulator between the box and the electric wire. The box may be 35 either cast or stamped or pressed from sheet material such as metal, paper, or the like. The cover 3 is somewhat similar in formation to the body of the box or casing, its rim snugly embracing the rim or sides of the box. The cover may be cast or struck up from sheet 40 material.

As securing means between the cover and box, a fastening 4 is provided, the same consisting of a bow having its end portions secured to the box in any substantial manner and passing through a bayonet 45 slot 5 in the rim of the cover. The fastening 4 may be of wire or consist of a metal strip and is adapted to be attached to the box in any firm and secure way so as not to be readily disconnected therefrom. When the cover is in proper position, the upper member of 50 the bow fastening 4 occupies a position in the horizontal member of the bayonet slot 5, the covering having been turned so that the fastening 4 is out of register with the vertical member of said bayonet slot. When so positioned, the cover cannot be thrown 55 open because of the extent of lap of the rim portions or sides of the box and cover. To prevent tampering

with the box, a lock 6 of the hasp type is provided and is adapted to pass through the fastening 4 and a corresponding loop 7 fitted to the rim of the cover adjacent to the end of the slot 5 opposite to the vertical 60 member of said slot. When it is required to open the box to gain access to the interior thereof for any purpose, the lock 6 is removed and the cover partly turned to bring the vertical member of the bayonet slot in register with the fastening 4, after which said 65 cover is moved outward until the upper member of the fastening 4 occupies a position at the lower end of the vertical member of the slot 5, when the cover may be thrown open opposite to the connection upon the latter as a hinge. It will be understood that the cover 70 cannot become misplaced or lost, since it has permanent connection with the box.

In order to provide a water tight box or case it is proposed to supply the cover with a packing or gasket 8 which is clamped between the cover and the upper 75 edge of the box. The opening in the box through which the wire passes is provided with a packing gland 9 of ordinary construction which may be tightened to compress packing material about the wire and prevent moisture finding its way into the box 80 through the opening admitting the wire. It is also contemplated to employ additional securing means, the same consisting of a bayonet slot 10 and a pin 11, the latter being applied to the box and the bayonet slot 10 formed in the rim of the cover and opening 85 through the edge thereof. The pin 11 preferably consists of a set screw which may be tightened to further secure the cover when in position.

A box or case constructed substantially as set forth is adapted to receive a fuse, cut-out, switch or like 90 device desired to be housed or protected, said box or casing being prevented from accidental opening by reason of the peculiar formation of the securing means between the body of the box or case and cover, said means admitting of opening and shutting the cover 95 by a pivotal or swinging movement and providing permanent connection to prevent accidental loss or misplacement of the cover.

When the cover 3 is in position upon the box and the upper member of the fastening 4 is at the inner 100 end of the horizontal member of the bayonet slot 5, it enters a notch 12 extended from the lower side of said slot, thereby preventing actual turning of the cover to bring the member of the fastening 4 in register with the vertical member of the bayonet. It 105 will thus be understood that the notch 12 provides additional security for the cover.

Having thus described the invention, what is claimed as new is:

1. In combination, a box, a cover therefor having a rim 110 encircling the box and provided with a closed bayonet slot, one arm of said slot extending in the circumferential

length of the rim, and the other arm of said slot being at a right angle to the circumference of the rim, and a fastening applied to the box and passed through the bayonet slot and serving to prevent separation of the cover from the box while admitting of said cover having a limited turning movement to bring the fastening in register with the arm of the bayonet slot at a right angle to the circumference of the box to admit of outward movement of the cover and a swinging of the same so as to uncover the box.

2. In combination, a box, a cover therefor having a closed bayonet slot, one arm of said slot extending around the rim of the cover and the other arm at a right angle to the circumference of said rim, a bow fastening secured to the box and having one member passed through said bayonet slot and forming a hinge connection between the cover and box, and cooperating means between the cover

and said bow fastening to secure the cover, substantially as set forth.

3. In combination, a box, a cover therefor having an encircling rim provided with a bayonet slot, a bow shaped fastening secured to the box and having a member passed through the bayonet slot of the cover, a loop fastening fitted to the rim of the cover adjacent to the bayonet slot, and lock means adapted to engage the bow fastening and the said loop to prevent turning of the cover when locked.

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

JOHN P. NIKONOW. [L. S.]

Witnesses:

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