

S. Z. SCOTT.

SPIGOT.

APPLICATION FILED AUG. 29, 1910.

985,554.

Patented Feb. 28, 1911.

2 SHEETS—SHEET 1.

Fig. 1.

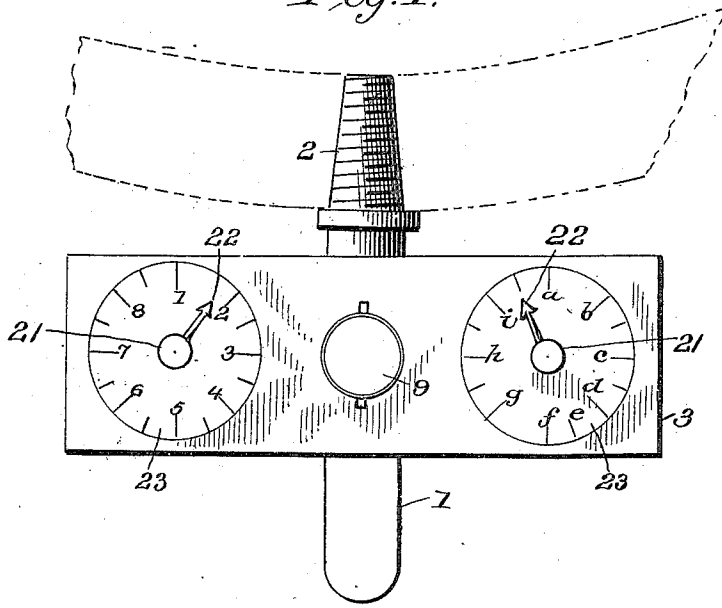
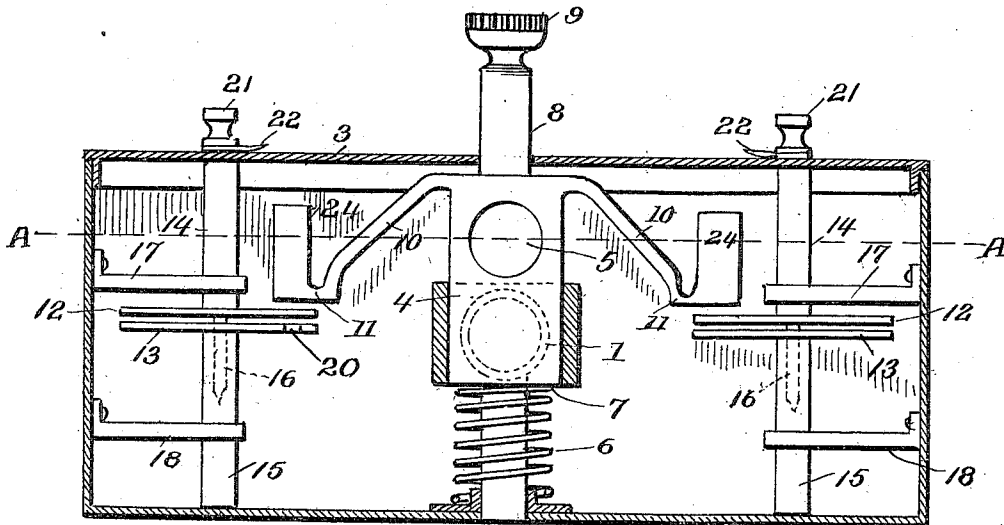


Fig. 2.



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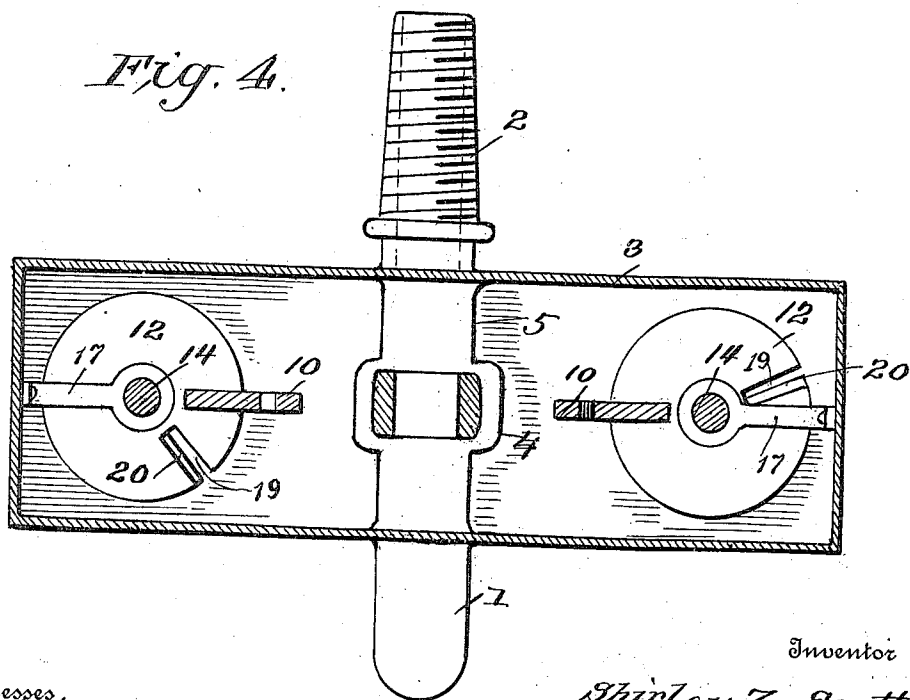
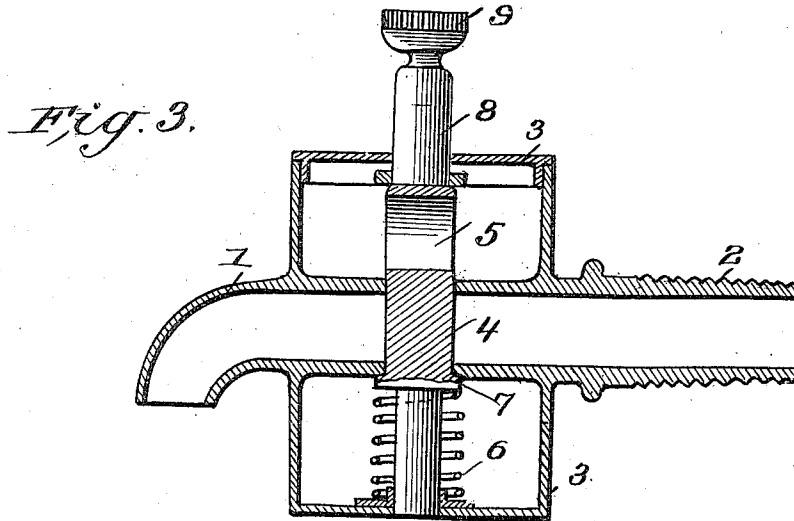
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UNITED STATES PATENT OFFICE.

SHIRLEY Z. SCOTT, OF ORIENT, IOWA.

SPIGOT.

985,554.

Specification of Letters Patent.

Patented Feb. 28, 1911.

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To all whom it may concern:

Be it known that I, SHIRLEY Z. SCOTT, a citizen of the United States, residing at Orient, in the county of Adair and State of Iowa, have invented certain new and useful Improvements in Spigots; 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.

The present invention is in the nature of a safety spigot, and the object of the invention is the provision of a device of this character embodying novel features of construction whereby the spigot can not be opened, either accidentally or intentionally, by an unauthorized party.

A further object of the invention is the provision of a safety spigot which is simple and inexpensive in its construction, which is reliable and positive in its operation, and which can be quickly manipulated by a person familiar with the same without any objectionable loss of time.

With these and other objects in view, the invention consists in certain combinations and arrangements of the parts as will more fully appear as the description proceeds, the novel features thereof being pointed out in the appended claims.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is a top plan view of a safety spigot constructed in accordance with the invention. Fig. 2 is a longitudinal sectional view through the same. Fig. 3 is a transverse sectional view, and Fig. 4 is a horizontal sectional view through the plane A—A of Fig. 2 with part of the upper half of spigot barrel broken away.

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.

Specifically describing the present embodiment of the invention, the numeral 1 designates the tubular body portion or stock of the spigot, the said body portion being shown as having one end thereof tapered at 2 so as to be applied to the bung hole of a barrel or other receptacle in the usual manner. A substantially rectangular casing 3 is applied to the projecting portion of the tubular stock 1 and extends upon opposite

sides thereof so as to provide a housing for the locking means which will be hereinafter more fully described. A transversely disposed slide 4 is applied to an intermediate portion of the tubular body portion 1 and normally closes the opening therethrough so as to obstruct the flow of liquid from the barrel or other receptacle to which the spigot may be applied. This slide, however, is provided with an opening 5 which registers with the interior of the tubular body portion 1 and permits the liquid to flow freely through the same when the slide is pushed inwardly against the action of a coil spring 6. This spring 6 is shown as surrounding the reduced end of the slide 4 and as interposed between the bottom of the casing 3 and shoulders 7 at the upper end of the said reduced portion of the slide. Through the action of this spring 6, the slide is held yieldingly in a raised position with the opening 5 out of registry with the interior of the tubular body portion 1.

Projecting from the upper end of the slide 4 is a stem 8 which terminates above the casing in a knob 9. By pressing downwardly upon this knob the slide can be moved against the action of the spring 6 for the purpose of moving the opening 5 into registry with the interior of the tubular stock 1 and opening the spigot so that the liquid can flow therethrough. A pair of inclined arms 10 project laterally from opposite sides of the slide 4 and terminate in the fingers 11 which are designed to move through registering slots in disks 12 and 13 when the slide is moved inwardly to open the spigot.

A pair of the disks 12 and 13 is located within each end of the casing 3, the upper disk 12 being movable and carried by a shaft 14, while the lower disk 13 is fixed and carried by a post 15. The lower end of each of the shafts 14 is formed with an extension 16 which is journaled in the upper end of the corresponding post 15, and each of the shafts is reinforced by a brace 17, while each of the posts is reinforced by a brace 18. A notch or slot 19 is formed in the periphery of each of the fixed disks 13, and a similar notch or slot 20 is formed in the periphery of each of the movable disks 12. The upper end of each of the shafts 14 terminates in a finger piece 21 and is also provided with a pointer 22 adapted to coöperate with a dial 23 upon the exterior of the casing. When these pointers 22 are

turned to predetermined positions upon the dials 23, the said positions being known only to the owner of the spigot and his trusted employees, the slots 20 in the movable disks are brought into registry with the slots 19 in the fixed disks 13, and these registering slots are located directly under the fingers 11. The slide 4 can then be pressed inwardly against the action of the spring 6 for the purpose of opening the spigot in the manner heretofore described, the fingers 11 passing through the slots 19 and 20. Attention may also be directed to the fact that these fingers 11 are provided with the rearward extensions 24 which remain in the registering slots 19 and 20 when the slide is pressed inwardly, and prevent the upper disks 12 from being rotated so as to lock the spigot in an open position. As soon as the pressure upon the knob 9 is released, the spring 6 moves the slide 4 outwardly into its original position and closes the spigot. A slight turn upon each of the finger pieces 21 will then serve to move the slots 19 and 20 out of registry with each other so as to lock the spigot in a closed position and prevent tampering therewith by an unauthorized person.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In a safety spigot, the combination of a tubular body portion, a slide valve for the same, a finger carried by the slide valve, and a movable part arranged in the path of the finger for holding the slide valve against movement, the said movable part having a cut away portion adapted to be brought into the path of the finger when it is desired to open the valve.

2. In a safety spigot, the combination of a tubular body portion, a slide valve for the same, a finger carried by the slide valve, a fixed member having a cut away portion through which the finger moves when the valve is opened, and a movable member arranged in the path of the finger and formed with a cut away portion adapted to be brought into registry with the cut away portion of the fixed member when it is desired to open the valve.

3. In a safety spigot, the combination of a tubular body portion, a slide valve for the same, a finger carried by the slide valve, a fixed disk formed with a cut away portion through which the finger moves when the valve is opened, and a movable disk arranged in the path of the finger to prevent opening of the valve, the said movable disk having a cut away portion therein adapted to be brought into registry with the cut away portion of the fixed disk when it is desired to open the valve.

4. In a safety spigot, the combination of a tubular body portion, a slide valve for the

same, a finger carried by the slide valve, a fixed disk having a cut away portion through which the said finger travels when the valve is opened, a movable disk arranged in the path of the finger to prevent opening of the valve, the said movable disk having a cut away portion adapted to be brought into registry with the cut away portion of the fixed disk when it is desired to open the valve, and a dial and pointer mechanism for controlling the movable disk.

5. In a safety spigot, the combination of a tubular body portion, a slide valve for the same, a casing applied to the body portion, a finger carried by the slide valve, a fixed disk arranged within the casing and formed with a cut away portion through which the finger travels when the valve is opened, a movable disk arranged within the casing and normally coöperating with the finger to prevent opening of the valve, the said movable disk having a cut away portion which can be brought into registry with the cut away portion of the fixed disk when it is desired to open the valve, a shaft carrying the movable disk and projecting upon the outside of the casing, a finger piece applied to the projecting end of the shaft, a pointer carried by the shaft, and a dial upon the casing for coöperation with the pointer.

6. In a safety spigot, the combination of a tubular body portion, a slide valve for the same, a casing applied to the tubular body portion, arms projecting laterally upon opposite sides of the slide valve and carried by the same, fingers at the ends of the lateral arms, a fixed disk arranged within the casing upon each side of the slide, the said fixed disks being formed with cut away portions through which the fingers travel when the valve is opened, a movable disk arranged within the casing upon each side of the slide valve, the said movable disks normally projecting into the path of the fingers so as to prevent opening of the valve, but being provided with cut away portions which can be moved into registry with the cut away portions of the fixed disks when it is desired to open the valve, and means for controlling the movable disks.

7. In a safety spigot, the combination of a tubular body portion, a slide valve for the same, a finger carried by the slide valve, a movable part arranged in the path of the finger for normally holding the slide valve in a closed position, said movable part having a cut away portion adapted to be brought into the path of the said finger when it is desired to open the valve, and an extension upon the finger which remains in engagement with the cut away portion of the movable member while the valve is opened.

8. In a safety spigot, the combination of a tubular body portion, a slide valve for the

same, a finger carried by the slide valve, a
fixed disk formed with a cut away portion
through which the finger travels when the
valve is opened, a movable disk normally
5 projecting into the path of the finger to
prevent opening of the valve, the said mov-
able disk being formed with a cut away por-
tion adapted to be brought into registry
with the cut away portion of the fixed disk
10 when it is desired to open the valve, and a

rearward extension upon the finger which
remains in engagement with the cut away
portions of both the fixed and movable disks
when the valve is opened.

In testimony whereof I affix my signature 15
in presence of two witnesses.

SHIRLEY Z. SCOTT.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
