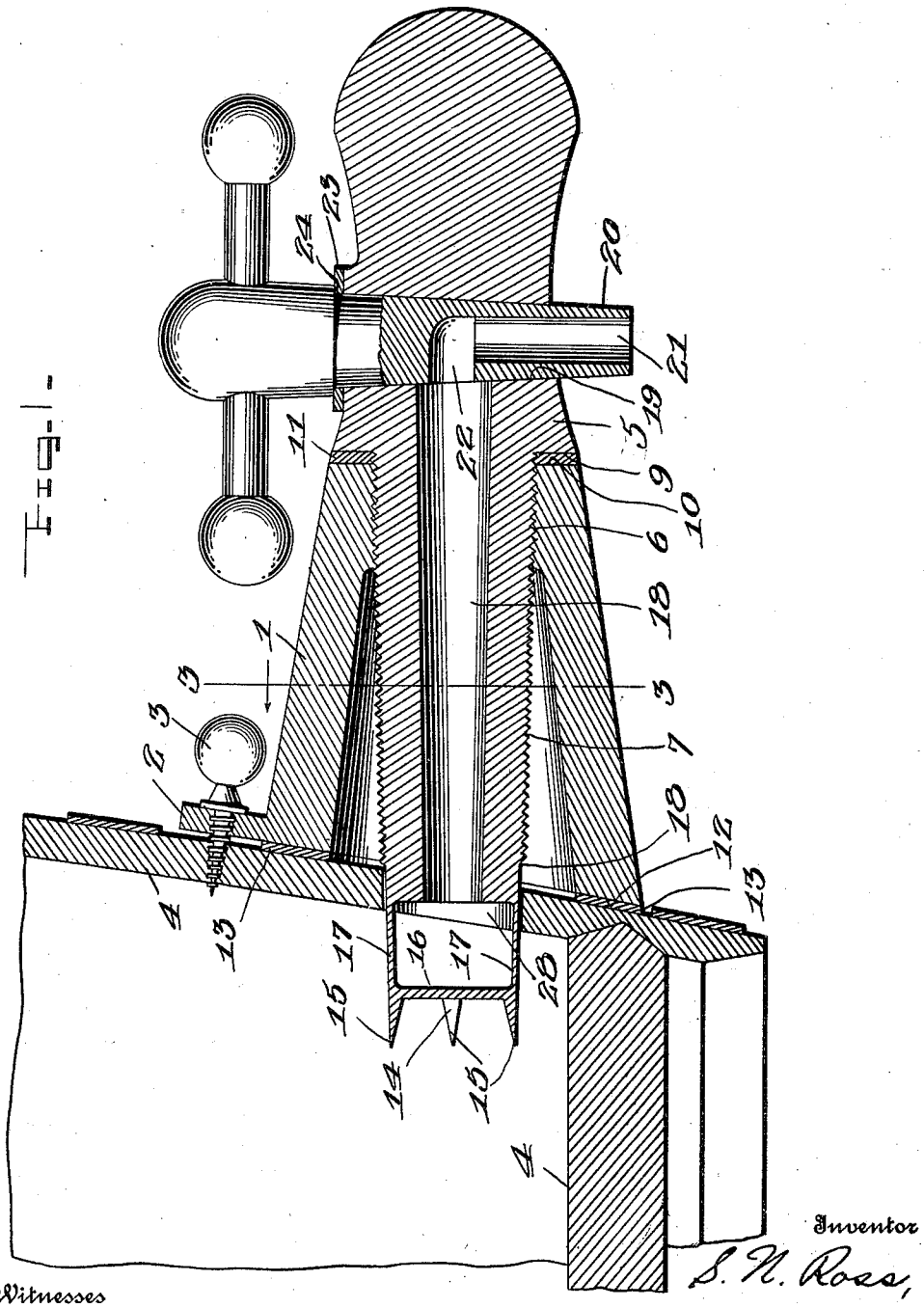
S. N. ROSS.

FAUCET AUGER.

APPLICATION FILED DEC. 17, 1910.

1,006,008. **Patented Oct. 17, 1911.**

2 SHEETS—SHEET 1.



Witnesses

W. H. Rockwell

N. E. Garner

Inventor

S. N. Ross,

By John S. Duffie

Attorney

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2 SHEETS—SHEET 2.

Fig. 2.

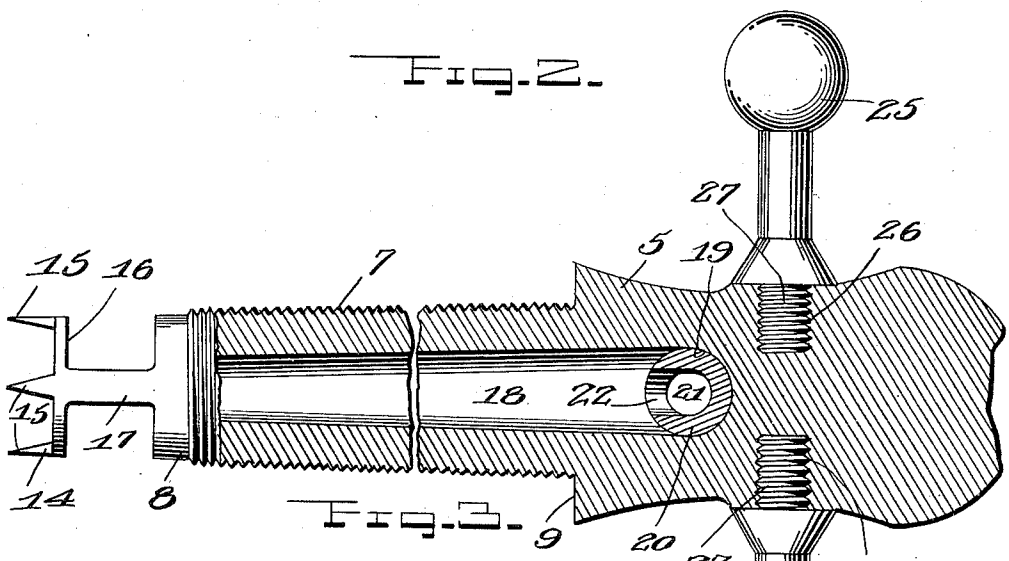
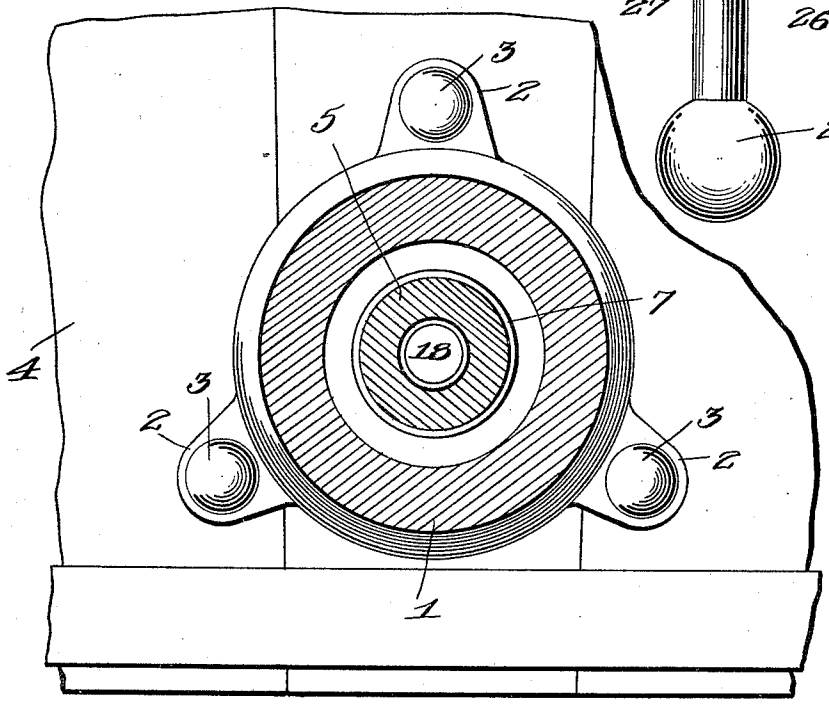


Fig. 3.



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Attorney

UNITED STATES PATENT OFFICE.

STEPHEN NOLAND ROSS, OF HARRISBURG, ARKANSAS.

FAUCET-AUGER.

1,006,008. Specification of Letters Patent. Patented Oct. 17, 1911.

Application filed December 17, 1910. Serial No. 597,905.

To all whom it may concern:

Be it known that I, STEPHEN N. ROSS, a citizen of the United States, residing at Harrisburg, in the county of Poinsett and State of Arkansas, have invented certain new and useful Improvements in Faucet-Augers, of which the following is a specification.

My invention has relation to new and useful improvements in faucet-augers and the main object thereof is to produce a device of this kind that will be efficient in operation, durable, inexpensive to manufacture and one that will be economical in that with its use there is no waste of the contents of the barrel or keg upon which said auger is applied.

My invention is especially adapted for use upon molasses or syrup barrels and with its use there will be no waste in applying the faucet to the barrel containing liquid.

My faucet-auger may be applied to a barrel with quickness and may be applied to a barrel while the latter is standing upon its end, it not being necessary to turn said barrel upon its side as in the case with other faucets.

With the foregoing and other objects in view my invention consists of the novel construction, combination and arrangement of parts as are described in this specification, illustrated in the accompanying drawings forming a part thereof and particularly pointed out in the appended claims.

Reference being had to the drawings: Figure 1 is a vertical, longitudinal, sectional view of my faucet-auger as seen when applied to a barrel, said barrel being partly shown in vertical section to illustrate the method of securing my invention to the barrel. Fig. 2 is a horizontal, sectional view of my invention, the auger portion thereof being illustrated in solid lines. Fig. 3 is a vertical, sectional view of my device taken on the line 3—3 of Fig. 1.

Referring more particularly to the drawing, my invention is described as follows: The hollow base 1 which is provided with a plurality of ears 2 integral therewith, which ears are provided each with a perforation therein which receive respective thumb-screws 3, by means of which said base 1 is secured to the barrel or keg 4 to which it is intended to apply the faucet-auger 5. Said ears 2 extend radially outward from the inner end of said base 1. The base 1 slightly tapers as it extends outward from the barrel 4 and is provided near the outer end thereof with the internal screw-threads 6, which extend for a short distance only. Said threads mesh with the threads 7 provided upon the outer periphery of the faucet-auger 5. The threads 7 upon said faucet-auger extend from near the inner end 8 thereof to the shoulder 9. Interposed between the outer end 10 of the base 1 and the face of said shoulder 9, is a rubber washer 11 by means of which any possible leakage from the base 1, which is hollow, is prevented. Interposed between the outer periphery of the barrel 4 and the inner end face 12 of the base 1 is a second rubber washer 13, which is for the purpose of preventing any possible leakage from the interior of the base 1 therefrom.

The faucet-auger 5 is provided at its inner end with an auger bit 14, which bit is provided with a plurality of pointed extensions or spikes 15 formed integral with the outer edge of a plate 16, said spikes extending directly forward. The plate 16 is connected to the inner end 8 of the screw-threaded portion 7 of the faucet-auger 5 by means of the arms 17, which arms are integral with the outer periphery of the plate 16 and the inner end of the threaded portion 7 of the faucet-auger 5. To permit the flow of syrup or whatever liquid may be contained in the barrel through said faucet-auger 5, a channel or longitudinal hole or opening 18 is provided therein, said longitudinal opening extending from the end 8 outward a short distance beyond the shoulders 9 and communicating with a vertically disposed opening 19 passing through said faucet-auger. Said opening 19 is slightly tapered from its lower end to the upper end thereof, the upper end being of the greater diameter. Fitting snugly into said vertically disposed opening 19 is a

cut-off plug 20, which plug is provided with a longitudinal opening 21 therein, which opening communicates with said longitudinal opening 18 of the faucet-auger 5. In order to do this the opening 21 extends at right angles to its longitudinal axis when it nears its upper end 22. When it is desired to cut off the flow of fluid from the faucet, said plug or cut-off is turned within the opening or socket 19 so that the fluid may not pass into the opening 21 of said cut-off through its upper end 22. To prevent any possible leakage of fluid from the faucet-auger 5 by means of the opening or socket 19, a rubber washer 23 is interposed between a shoulder 24 of the cut-off 20 and the adjacent outer surface of the faucet-auger 5 at the upper end of said opening 19.

When it is desired to attach my auger to a barrel or keg, the base 1 is first secured thereto as heretofore described. The faucet-auger 5 is then screwed into the hollow base until the bit portion thereof comes into contact with the outer surface or periphery of said barrel. The faucet-auger is rotated by means of a pair of handles 25 which are screwed into the screw-threaded recesses 26 thereof. Said handles 25 have a screw-threaded neck 27, which threads of each neck coincide with the threads 26 of said threaded recesses. When the pointed extensions 15 contact the outer periphery of said barrel 4, the rotation of the faucet-auger is continued until the said spikes bore through the outer wall of said barrel leaving an opening 28 therein through which flows syrup or other contents of the barrel into the longitudinal opening 18, whence it passes through the longitudinal opening 21 in the cut-off plug 20, when the said cut-off plug is in open position. When the faucet-auger 5 has been screwed into proper position the handles 25 are then removed as they are not further needed until it becomes necessary to remove said faucet-auger from said barrel or keg to which it is attached. When the barrel or keg to which my device is applied has become empty, said device including base 1 is removed therefrom and applied to a full receptacle.

Although I have specifically described the construction, combination and arrangement of the several parts of my invention, yet I do not confine myself to such construction, combination and arrangement, but reserve and may exercise the right to make such changes therein as do not depart from the spirit of the invention and which fall within the scope of the appended claims.

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

1. In a device of the kind described the combination with a faucet an auger, said auger comprising a plate and a plurality of pointed extensions extending forwardly from the periphery thereof, means comprising arms to secure said plate to the inner end of said faucet, said faucet provided with a longitudinal opening therein, a vertical opening also provided in said faucet which communicates with said longitudinal opening, means fitting into said vertical opening to arrest the flow of fluid when desired, and means to secure the faucet-auger to the outer periphery of a keg, said means comprising a hollow base with means to secure the base to the keg, said faucet-auger secured to the base by means of internal threads provided for the hollow base and corresponding exterior threads for the faucet-auger.

2. In a device of the kind described the combination with a faucet an auger, means to secure the auger to the inner end of the faucet and means to secure the faucet-auger to the outer periphery of a barrel or keg, said means comprising a hollow base, a plurality of perforated ears extending from the inner end thereof radially, means passing through said ears to secure the base in position to a barrel, interior threads provided upon said base and corresponding threads provided upon the faucet which engage the threads of the base, means comprising a washer of flexible material interposed between the outer periphery of the barrel and the inner end of the base to prevent any possible leakage of fluid, a shoulder provided upon said faucet and means interposed between the outer end of said base and said shoulder also to prevent leakage.

3. In a device of the kind described a faucet, an auger, said auger comprising a plate and a plurality of pointed extensions extending forwardly from the periphery thereof, means comprising arms to secure said plate to the inner end of said faucet, said faucet provided with a longitudinal hole or opening therein, a vertical opening also provided in said faucet which communicates with said longitudinal opening, a cut-off plug snugly fitting into said vertical opening, said cut-off plug provided with a longitudinal opening therein, the upper end thereof communicating with the longitudinal opening provided in the faucet, and means to secure said faucet-auger to the outer periphery of a barrel or keg, said means comprising a hollow base, a plurality of perforated ears extending from the inner end thereof radially, means passing through said ears to secure the base in position to a barrel, interior threads provided upon said base for a short distance from the outer end thereof, corresponding threads provided upon the faucet which mesh with said threads of the base, means comprising a washer of flexible material

interposed between the outer periphery of the barrel and the inner end of the base to prevent leakage of fluid from the latter, and means comprising a washer of flexible material between the outer end of said base and a shoulder of said faucet also to prevent leakage.

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

STEPHEN NOLAND ROSS.

Witnesses:
WILLIAM H. DUNCAN,
HEMAN L. JACOBS.