N. SPATTER AND A. WELIKOFF.

FAUCET WITH DRINKING ATTACHMENT.

APPLICATION FILED JAN. 7, 1919. RENEWED FEB. 26, 1921.

1,392,456. Patented Oct. 4, 1921.

Fig. 1

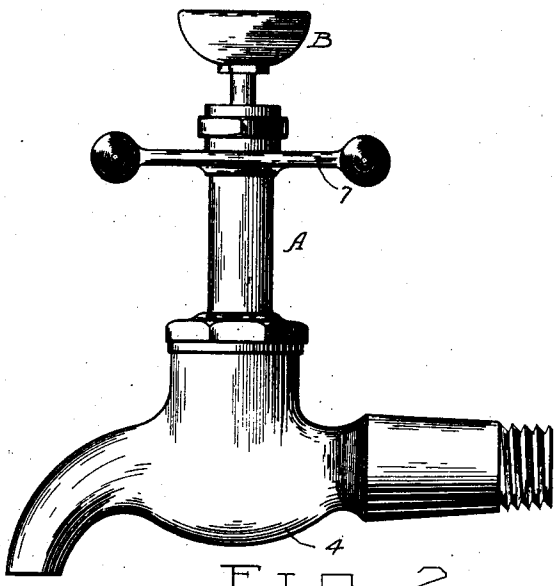


Fig. 3

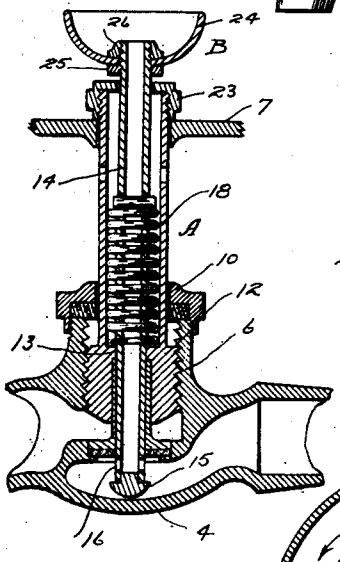
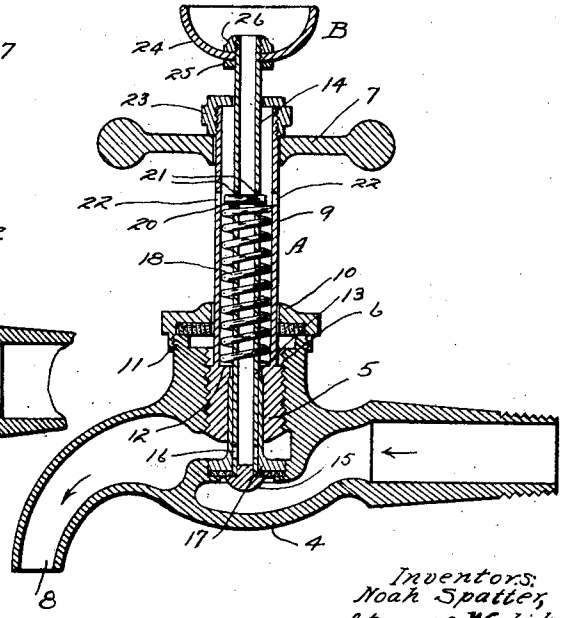


Fig. 2



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UNITED STATES PATENT OFFICE.

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FAUCET WITH DRINKING ATTACHMENT.

1,392,456. Specification of Letters Patent. Patented Oct. 4, 1921.

Application filed January 7, 1919, Serial No. 269,994. Renewed February 26, 1921. Serial No. 448,075.

To all whom it may concern:

Be it known that we, NOAH SPATTER, a subject of the King of Roumania, and ATANAS WELIKOFF, a subject of the King of Bulgaria, residing at Kansas City, in the county of Jackson, State of Missouri, and Wilkes-Barre, county of Luzerne, State of Pennsylvania, respectively, have jointly invented new and useful Improvements in Faucets with Drinking Attachments, of which the following is a specification.

This invention relates to faucets with drinking attachments and it has for its object to provide an improved faucet device in the use of which water may be released for drinking purposes, in an attached cup, or the like, independently of the normal operation of the main faucet or tap element. The invention has for further objects the provision of a device of the character stated, which will be superior in point of relative simplicity and inexpensiveness of construction, taken in connection with positiveness and convenience in operation, reliability, and general efficiency and serviceability, as well as neatness in appearance.

With the above and other objects in view, the invention consists in the novel and useful provision, formation, combination, association and inter-relation of parts, members and features, all as hereinafter described, shown in the drawing, and finally pointed out in claims.

In the drawing:

Figure 1 is a side elevation of a faucet device constructed to embody the invention;

Fig. 2 is a central longitudinal sectional view of the faucet device shown in Fig. 1, the drinking attachment being inactive; and,

Fig. 3 is a fragmentary view similar to Fig. 2, the drinking attachment being shown in active condition.

Corresponding parts in all the figures are designated by the same reference characters.

Referring with particularity to the drawing, the faucet device therein shown, in detached position, comprises a main faucet or tap member A, and a supplemental faucet or drinking attachment B, the two being combined and associated together and so interrelated and mounted as to control and direct the flow of water moving in the direction indicated by the arrow in Fig. 2, through a tubular faucet body 4, which is suitably chambered to accommodate a suitable plug cock valve 5, threaded into such tubular faucet body, as at 6, and of such standard or preferred construction as to be capable of manipulation by a hand-wheel 7 to either interrupt or permit flow of water to and from a spout 8. The plug cock valve 5 is provided with a tubular stem 9 which rises through a stuffing box or gland 10, threaded to the top of the faucet body 4, as at 11, in the usual or any approved manner, there being provided, at the lower end of such tubular stem, an internal shoulder 12, for the purpose hereinafter set forth. Within the tubular stem 9, and a registering bore 13 in the plug cock valve 5, is mounted a drinking cup stem 14 which is free to play endwise or vertically within such stem 9, such inner stem 14 having a shouldered plug 15 at its lower end which co-acts with the lower end of the plug cock valve 5 to limit upward play of the stem 14. Slightly above the plug 15 is provided a series of lateral ports 16 adapted normally to be covered by the surrounding wall of the plug cock valve 5, or by a lining sleeve 17 within the bore 13, so as to prevent the entrance of the tube 14 by water in the faucet body 4. Tending to maintain the stem 14 in its raised position, rendering the drinking cup member inoperative, due to the closing of the ports 16, is a coil compression spring 18 which surrounds the stem 14 within the stem 9, bearing at its lower end upon the aforementioned shoulder 12 and at its upper end against a stop pin 20 seated in transverse opening 21 in the tube 14, to which opening it may be introduced through lateral openings 22 in the tube 9.

The upper end of the stem 14 plays through a screw cap 23 perforated to accommodate such stem 14 and applied to the upper end of the tube 9.

Upon the upper end of the tube 14 is fixed a cup device 24, the same being held thereto between nuts 25 and 26 threaded to such tube 14.

In the operation of the device, the member B or the cup 24 thereof, with its tube 14, may be depressed against the action of spring 18, so as to bring the ports 16 below the nether wall of the plug cock valve 5, whereupon water will enter such ports 16 and rise within the tubular member 14 and flow into the cup 24, where it may be consumed. This operation is entirely independent of the performance by the main faucet member A of

its function of controlling the passage of water through the faucet body 4 and to and from the spout 8. Whether or not such main faucet member A be adjusted to permit such latter flow, the faucet attachment B may at any time be brought into use to fill the cup 24 in the manner above detailed, so that water may be drunk from such cup. When downward pressure upon the cup 24 is terminated, the cup and its tube and attendant features rise under the action of the spring 18, until the plug 15 terminates such movement and the passage of water into the tube 14 through the ports 16 is terminated.

It is obvious that many changes, additions and modifications may be made, in practising the invention, all with respect to the particular showing of the drawing and disclosure of the preceding description of structure and operation, without departing from the true spirit of the invention.

Having thus disclosed our invention, we claim and desire to secure by Letters Patent:

1. A faucet provided with a member adapted to communicate with a water supply passage of the faucet and to direct water from such passage to a discharge opening independent of the normal discharge opening of the faucet; said member comprising a tube concentrically and and resiliently mounted to play within a chamber in the faucet valve and its stem, said tube having a port for water ingress.

2. A faucet provided with a member adapted to communicate with a water supply passage of the faucet and to direct water from such passage to a discharge opening independent of the normal discharge opening of the faucet; said member comprising a tube concentrically and resiliently mounted to play within a chamber in the faucet valve and its stem, said tube having a port for water ingress, and provided with a stop at its lower end normally holding the tube in position in which it is out of communication with the water supply passage of the faucet.

3. A faucet provided with a member adapted to communicate with a water supply passage of the faucet and to direct water from such passage to a discharge opening independent of the normal discharge opening of the faucet; said member comprising a tube concentrically mounted to play within a chamber in the faucet valve, such tube having a port for water ingress; resilient means being provided for normally maintaining said tube in position to close said port.

4. A faucet provided with a member adapted to communicate with a water supply passage of the faucet and to direct water from such passage to a discharge opening independent of the normal discharge opening of the faucet; said member comprising a tube concentrically mounted to play within a chamber in the faucet valve, such tube having a port for water ingress; resilient means being provided for normally maintaining said tube in position to close said port and yieldingly opposing pressure to move said tube endwise in one direction.

5. A faucet provided with a member adapted to communicate with a water supply passage of the faucet and to direct water from such passage to a discharge opening independent of the normal discharge opening of the faucet; said member comprising a tube concentrically and resiliently mounted to play within a chamber in the faucet valve, such tube having a port for water ingress; said tube being provided at its discharge end with a receptacle.

6. A faucet having a valve and valve stem controlling passage of water to the discharge spout, said valve stem being tubular, and a tube mounted within the valve stem and adapted to play lengthwise therein, said tube being adapted to communicate at its lower end with the water supply in the faucet when said tube is moved lengthwise, and resilient means normally holding the tube yieldingly against movement in one direction.

7. A faucet having a valve and valve stem controlling passage of water to the discharge spout, said valve stem being tubular, and a tube mounted within the valve stem and adapted to play lengthwise therein, said tube being adapted to communicate at its lower end with the water supply in the faucet when said tube is moved lengthwise, and resilient means normally holding the tube yieldingly against movement in one direction; said tube being provided with a cup device.

In testimony whereof, we have signed our names to this specification in the presence of two subscribing witnesses.

NOAH SPATTER.
ATANAS WELIKOFF.

Witnesses:
RAYMOND IVES BLAKESLEE,
J. CALVIN BROWN.