

(No Model.)

G. A. NAUMANN.

FAUCET.

No. 261,750.

Patented July 25, 1882.

Fig. 3.

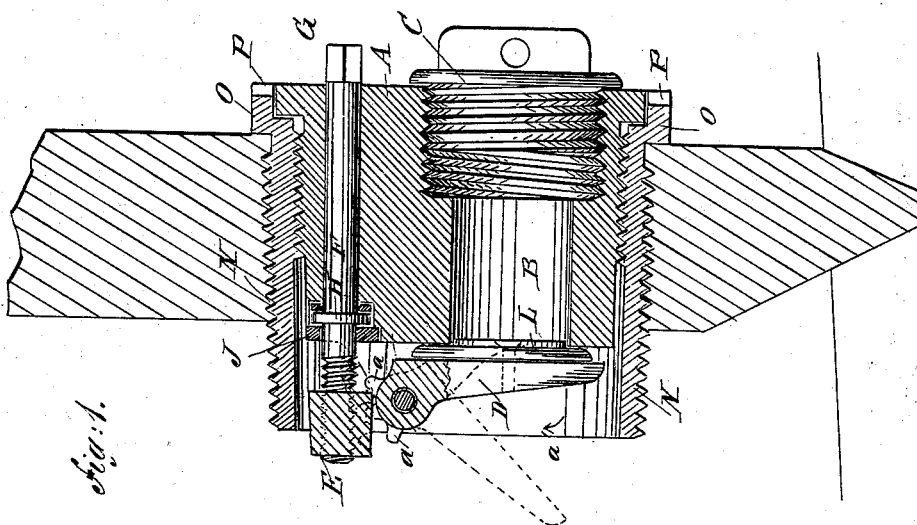
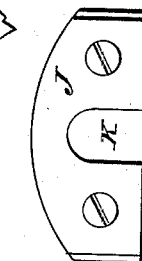
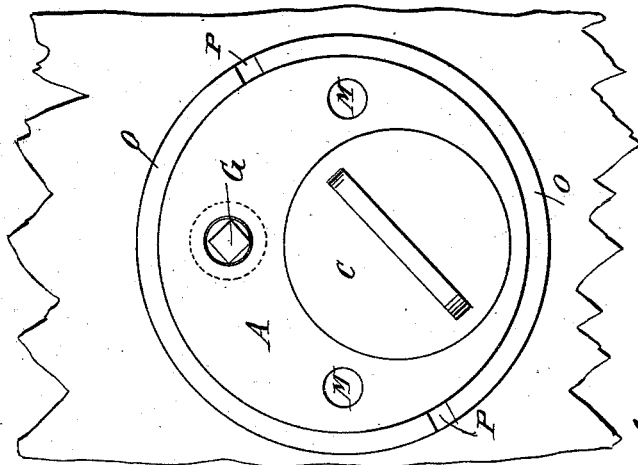
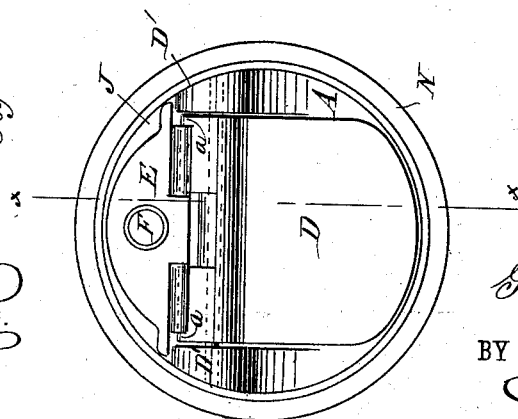


Fig. 1.

Fig. 2.



WITNESSES:

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GUSTAV A. NAUMANN, OF NEWARK, NEW JERSEY.

FAUCET.

SPECIFICATION forming part of Letters Patent No. 261,750, dated July 25, 1882.

Application filed March 3, 1882. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV A. NAUMANN, of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Faucet, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved faucet which can be fastened in the barrel and can be removed without causing a loss of the liquid in the barrel.

The invention consists in a screw-plug provided with an aperture adapted to be closed at its inner end by a swinging valve provided at its upper end with teeth engaging with teeth in a block mounted on a screw-spindle in a plug, whereby, when the screw-spindle is turned, the swinging valve will be moved to or from the inner end of the plug, whereby the aperture in the plug will be closed or opened. A faucet-tube or hose-coupling piece can be screwed into the front threaded end of the aperture in the plug to conduct the liquid from the barrel.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal sectional elevation of the plug of my improved faucet on the line *xx*, Fig. 2, showing it secured in a barrel-head, the valve of the plug being closed. Fig. 2 is a rear elevation of the same, showing the valve closed. Fig. 3 is a front elevation of the same. Fig. 4 is a longitudinal elevation of the recessed plate for holding the screw-spindle in place.

An externally-threaded plug, A, is provided with a longitudinal aperture, B, the outer end of which is enlarged and threaded to adapt a threaded tube or coupling-piece to be screwed into it. Ordinarily this aperture is closed by a screw plug or cap, C, which is screwed into it.

A gate or valve, D, is pivoted at its upper end to lugs D', projecting from the rear of the plug A, which gate is provided at its upper end with a series of teeth, *a*, arranged on a curved line and engaging with a series of teeth in a block, E, mounted on the threaded end of a spindle, F, passing longitudinally through the plug A above the aperture B, the threaded end of the spindle projecting from the inner

end of the plug and the squared outer end, G, of the spindle F projecting from the outer surface of the plug.

The spindle is provided with a fixed collar, H, resting against the inner surface of a plate, J, fastened to the inner end of the plug A, whereby a longitudinal movement of the spindle F is prevented.

The plate J is provided with a recess, K, or an aperture, through which the spindle F passes.

The pivoted gate or valve D fits over the inner end of the aperture B, and is provided on its inner surface with a packing-layer, L, of some suitable material.

The plug A is provided in its front surface with two apertures or recesses, M, for inserting a key to turn the plug.

The plug A can be screwed into an internally and externally threaded sleeve, N, which is adapted to be screwed into the aperture in the barrel. This sleeve is provided at its outer end with a flange, O, provided with two recesses, P, for receiving a key to turn this sleeve.

The operation is as follows: The sleeve N is screwed into the aperture in the barrel and the plug A is screwed into the sleeve N. The aperture B is closed by the plug or cap C. If any of the contents of the barrel is to be withdrawn, the plug or cap C is removed, and a faucet-tube or coupling-piece of a flexible pipe is screwed into the threaded end of the aperture B. The pintle F is then turned by means of a key, and by this movement of the screw the block E is moved toward and against the inner end of the plug. The teeth of the block E act on the teeth *a* at the upper end of the valve D, and swing this valve more or less in the direction of the arrow *a'*, thereby opening the inner end of the aperture B and permitting the contents of the barrel or cask to flow through this aperture B into the faucet-tube or attached pipe. By turning the pintle F in the inverse direction the valve D is swung in the inverse direction of the arrow *a'* against the inner end of the plug, and thereby closes the inner end of the aperture B.

No parts of the faucet-plug project beyond the ends of the staves of the barrel, and thus the plug is not apt to be broken or damaged in handling the barrel, and does not interfere with such handling of the barrel.

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

- 5 1. The combination, with the plug A, provided with an aperture, B, of the swinging valve D on the inner end of the plug, the block E, and the screw-spindle F, substantially as herein shown and described, and for the purpose set forth.
- 10 2. The combination, with the plug A, provided with an aperture, B, of the swinging gate or valve D, provided at its upper end with teeth *a*, the block E, provided with teeth engaging with the teeth *a*, and devices for
15 moving this block E to and from the inner end of the plug, substantially as herein shown and described, and for the purpose set forth.
- 20 3. The combination, with the plug A, provided with an aperture, B, of the swinging valve D, provided with teeth *a*, the block E, provided with teeth engaging with the teeth *a*, and the screw-spindle F for moving the
block E to and from the inner end of the plug A, substantially as herein shown and described, and for the purpose set forth. 25
4. The combination, with the plug A, provided with an aperture, B, of the swinging valve D, provided with teeth *a*, the block E, provided with teeth engaging with the teeth *a*, the screw-spindle F, provided with a collar, H, and the plate J, substantially as herein shown and described, and for the purpose set forth. 30
5. The combination, with the plug A, provided with an aperture, B, of the swinging valve D, for closing the inner end of the aperture B, and the screw cap or plug C for closing the outer end of the aperture B, substantially as herein shown and described, and for the purpose set forth. 35

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Witnesses:

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