(No Model.)

S. J. & N. T. WILSON.

FAUCET GATE.

No. 310,107. Patented Dec. 30, 1884.

Fig. 1

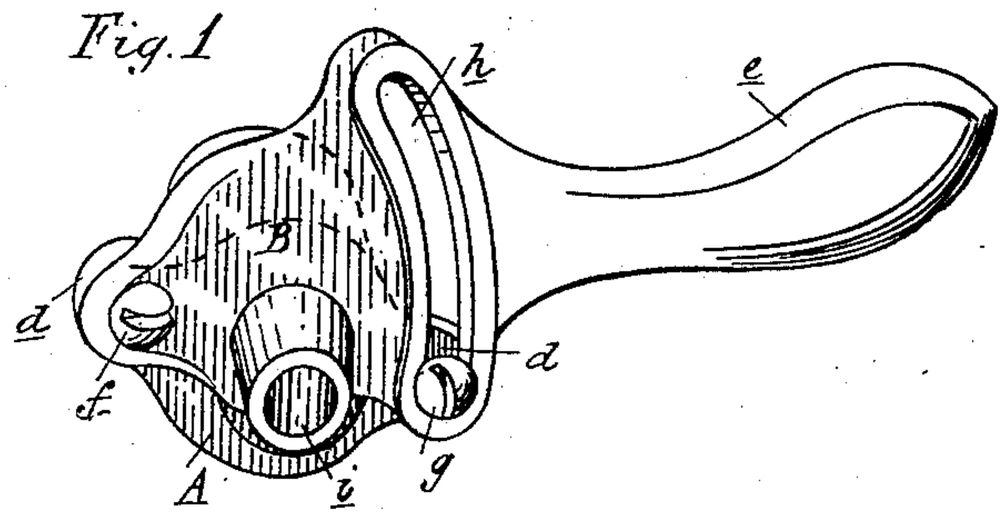


Fig. 2

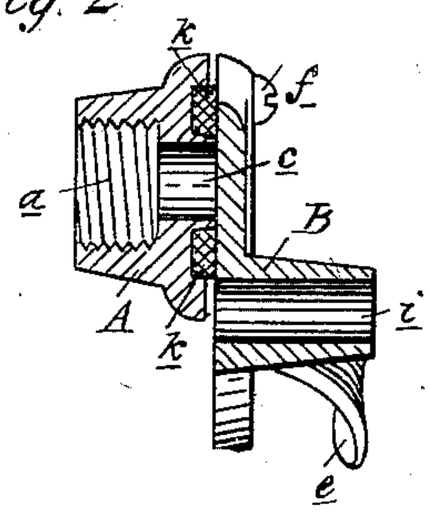
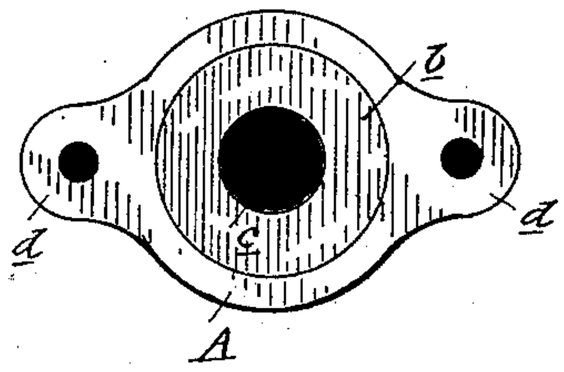


Fig 3



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UNITED STATES PATENT OFFICE.

SAMUEL J. WILSON AND NAHUM T. WILSON, OF FLINT, MICHIGAN.

FAUCET-GATE.

SPECIFICATION forming part of Letters Patent No. 310,107, dated December 30, 1884.

Application filed March 12, 1884. (No model.)

To all whom it may concern:

Be it known that we, SAMUEL J. WILSON and NAHUM T. WILSON, of Flint, in the county of Genesee and State of Michigan, have invented new and useful Improvements in Faucet-Gates; and we hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in the construction of faucet-gates, especially designed to be removably attached to milk-cans, while they will be found equally valuable in many other places in drawing liquids from the packages in which they are contained.

One of the main difficulties in the use of faucets of any kind for milk-cans arises from the great difficulty of cleaning them as often as required, in order to prevent contamination of the milk, and the object of the invention is to provide a device for the purpose which can be readily attached and detached, and which presents no difficulties to so thoroughly cleaning that there will be no coagulation of the milk or souring.

Figure 1 is a perspective of our device. Fig. 2 is a cross-section through the coupling and discharge-nozzle when the gate is closed. Fig. 3 is a plan of the base, upon which the coupling is formed.

In the accompanying drawings, which form a part of this specification, A represents such base, provided upon its rear face with a preferably interiorly-threaded part, *a*, by means of which it is coupled to the nipple of a milk-can, which is threaded to fit the same, and through this coupling is a discharge-orifice central to the bore of the coupling and the face of the base. An annular recess, *b*, is formed in the front face of this base outside of and surrounding the discharge-orifice *c*. On opposite sides of this base there are formed lugs *d*. B is the gate proper, provided with a handle, *e*, and it is pivotally secured by means of the screw *f* to one of the ears upon the base, and a similar screw, *g*, passing through the radial slot *h* in the gate into the opposite lug, *d*, enables the gate to be opened and closed. This gate is provided with a discharge-orifice, *i*, located at one side, so that in the movement of the gate in one direction its discharge-orifice is made coincident with the discharge-orifice through the base, and when moved in the opposite direction such connection is cut off. We employ an annular gasket, *k*, in the annular recess *b* of the base, the outer face of this gasket projecting beyond the face of the base. This gasket may be made of leather, rubber, or any other suitable elastic material, and by its use the screws holding the parts together may be so arranged that the gate will move freely, and, when closed, will allow of no escape of the milk. Ground joints may be used, if preferred, without the gasket, although we prefer the employment of such gasket. After use, the orifices should be brought into coincidence and rinsed thoroughly in water; and a more thorough cleansing of the parts may be had at times by unscrewing from the nipple of the can and disconnecting the parts by the removal of the screws. Care should be taken in forming this annular recess upon the exposed face of the gate to leave a wall between it and the discharge-orifice, so that the gasket or packing-ring will not be exposed at any point to the outflowing milk, except upon its exposed face, which may be readily cleaned without removing such gasket from its recess.

What we claim as our invention is—

A faucet-gate for the purposes described, consisting of the base A, provided with couplings *a*, annular recess *b*, discharge-orifice *c*, lugs *d*, and gate B, provided with handle *e*, radial slot *h*, discharge-orifice *i*, and the gasket *k*, the parts A and B being secured by the screws, substantially as and for the purposes set forth.

SAMUEL J. WILSON.
NAHUM T. WILSON.

Witnesses:
GEO. D. SMITH,
A. G. BISHOP.