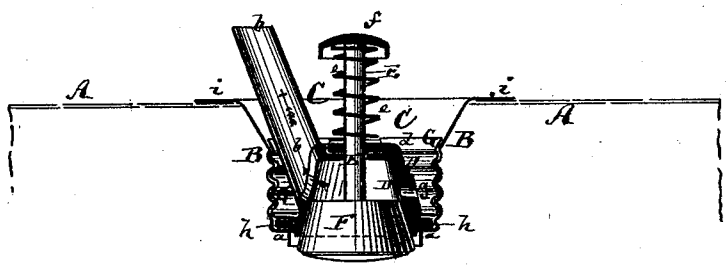
F. OCHS.

FAUCETS AND FUNNELS FOR OIL CANS.

No. 177,351. Patented May 16, 1876.



Witnesses:

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UNITED STATES PATENT OFFICE.

FREDERICK OCHS, OF NEW YORK, N. Y.

IMPROVEMENT IN FAUCETS AND FUNNELS FOR OIL-CANS.

Specification forming part of Letters Patent No. **177,351**, dated May 16, 1876; application filed November 4, 1875.

To all whom it may concern:

Be it known that I, FREDERICK OCHS, of New York city, in the county and State of New York, have invented a new and Improved Faucet and Funnel for Oil-Cans, &c., of which the following is a specification:

The drawing represents a vertical central section of the improved faucet and funnel.

The invention relates to an improvement on the discharge-faucet described in the Patent No. 167,530, and has for its object to render such discharge faucet applicable to the depressed inlet-funnels of oil and other cans.

The invention consists in applying to the tubular shank of the faucet an embracing threaded annular cup, and in forming a screw-thread in the cylindrical part of the funnel, which is intimately affixed to the can. The faucet can be screwed into the funnel and used whenever desired, and when it is unscrewed the funnel will serve to admit the oil or other liquid to the can.

The letter A in the drawing represents an oil-can or similar receptacle. B is the discharge-funnel, sunk into an opening of the can A, and rigidly fastened thereto by a flange, *i*, or in other suitable manner.

The funnel B is provided with an inwardly-projecting step or shoulder, *a*, as shown. Above the step *a* the funnel B is partly cylindrical, and screw-threaded at the inner side.

During transportation the lower end of the funnel is or may be closed by a suitable plate or diaphragm.

I prefer to make the funnel of sheet metal, and to form the female-screw thread in it by spinning.

C represents the discharge-faucet. The same is composed of a tubular shank, D, which carries, at or near its upper end, a laterally and upwardly projecting spout, *b*. E is a rod that extends centrally through the tubular shank D, and carries a valve, F, at its lower end, closing against the open lower end of the tubular shank D.

The rod E extends through a proper opening in the top *d* of the tubular shank D, where it is embraced by a spring, *e*, which serves to raise and hold the valve F against its seat on the lower end of the tubular shank D. At the upper end the rod E is provided with a knob or thumb-piece, *f*, which constitutes the bearing-surface for the upper end of the spring *e*.

A small air-opening, *g*, is made through the tubular shank D to replenish the can with air while the liquid is poured out, all substantially as described in the said Patent No. 167,530.

To the lower part of the tubular shank D I apply an embracing threaded cup, G, as clearly shown in the drawing. This cup is of a size to fit into the upper cylindrical portion of the funnel B, to which it is to be applied, the male-screw thread of the cup being matched to the female-screw thread of the funnel. A washer, *h*, should be placed on the step or shoulder *a* of the funnel B, so that the annular bottom of the cup G, when the latter is screwed into the funnel B, may fit upon such washer, and aid in producing a close joint.

For pouring out the liquid, the can is inclined, and pressure applied to the thumb-piece *f*, so that the valve F is opened. The liquid will then be free to enter the tubular shank D, from where it will pass into the spout *b*, and thence be discharged.

The can may be easily filled, if desired, through the funnel B by first unscrewing the faucet C.

I claim as my invention—

1. The faucet C, constructed as described, and combined with the annular and threaded embracing-cup G, substantially as specified.

2. The combination of the funnel B, having the step *a*, and the screw-threaded cylindrical portion above such step *a*, with the faucet C and the screw-threaded cup G, substantially as and for the purpose herein shown and described.

FREDERICK OCHS.

Witnesses:

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