

E. S. Scripture,
Oil Can,
N^o 3,952, Patented Mar. 15, 1845.

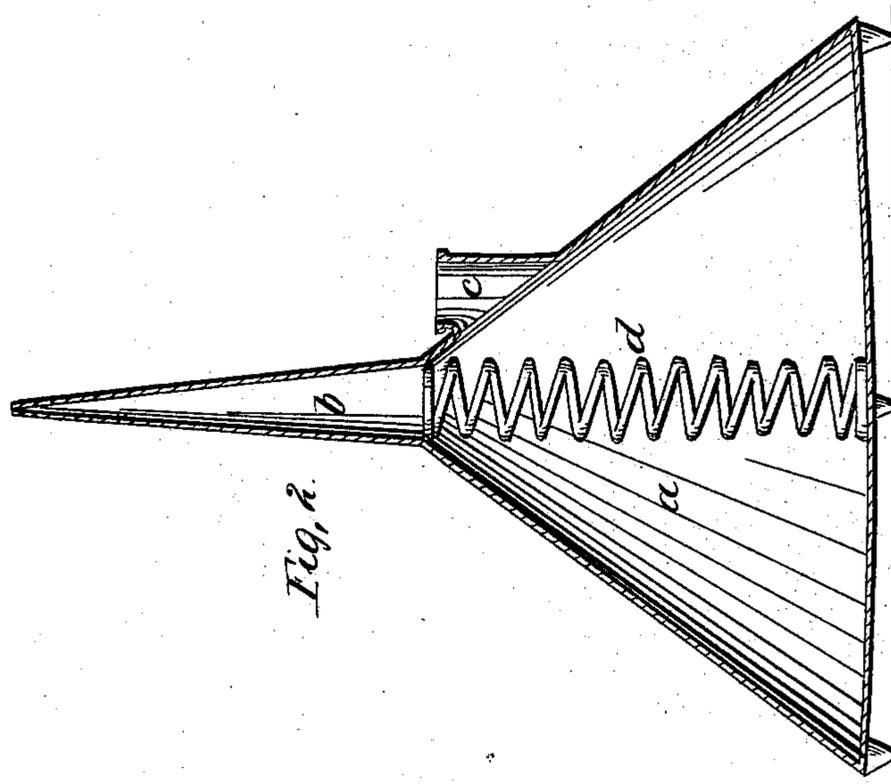


Fig. 2.

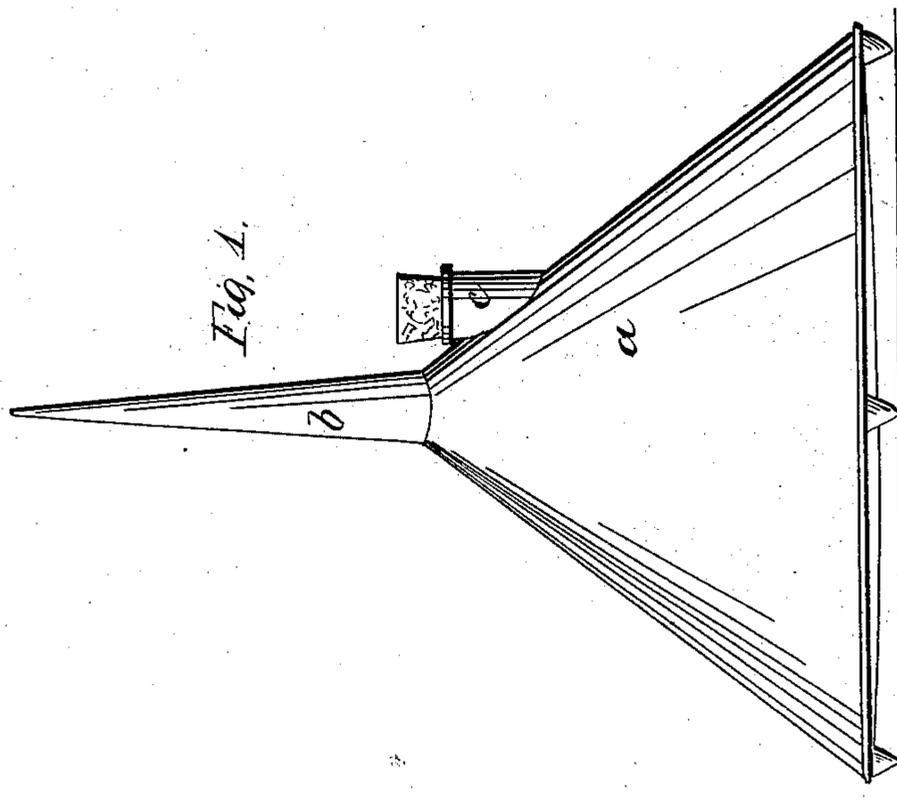


Fig. 1.

UNITED STATES PATENT OFFICE.

ELIPHALET S. SCRIPTURE, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN OIL-FEEDERS.

Specification forming part of Letters Patent No. 3,952, dated March 15, 1845.

To all whom it may concern:

Be it known that I, ELIPHALET S. SCRIPTURE, of the city, county, and State of New York, have invented a new and useful Improvement in Oil-Cans, &c., which I denominate the "Pneumatic Oiler" or "Syringe;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which make a part of the same, in which—

Figure 1 is an outside view. Fig. 2 is a vertical section through the center.

I form my oil-can, *a*, conical, as shown in Fig. 1, with a small tube, *b*, projecting from the apex thereof, and an opening, *c*, in the side to fill it through, which can be stopped airtight, as in the figure; or it may be of any convenient shape, such as is used in oiling machinery, or syringe-formed. In the interior of the can, as above described, a spiral spring is put, as represented at *d* in Fig. 2. This is fastened by any convenient mode to the bottom, and bears against the apex of the cone above named, so as to press the bottom out as far as the tin or other thin substance of which it is formed will allow.

The operation of the above-described instrument is as follows: When filled and the aperture *c* is stopped, if it is turned with the tube *b* downward, none of the oil or other liquid will escape; but if a pressure is applied to the bottom sufficient to force it inward, some of the oil will be forced out in such quantities as are required, and when the pressure is removed there is an equivalent amount of air drawn up, caused by the spring *d* forcing out the bottom, and causing a vacuum within. This may be repeated as long as the oil lasts.

It will be obvious that other springs might be used; but I prefer the spiral one.

What I claim in the above-described instrument, and desire to secure by Letters Patent, is—

The combination of the spring with the oil-can or syringe, substantially in the manner, and for the purpose above described.

ELIPHALET S. SCRIPTURE.

Witnesses:

J. J. GREENOUGH,
LAFAYETTE CALDWELL.