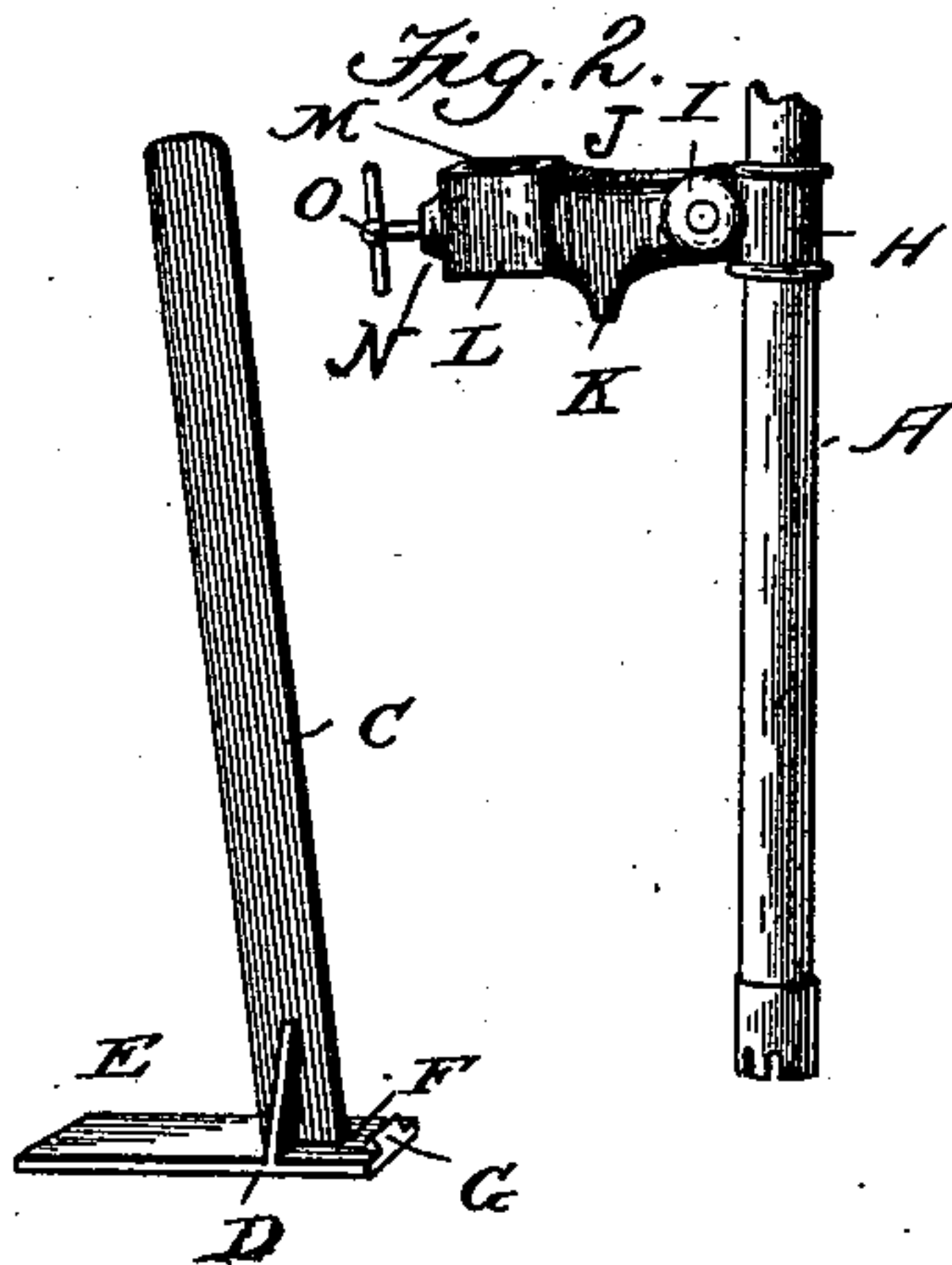
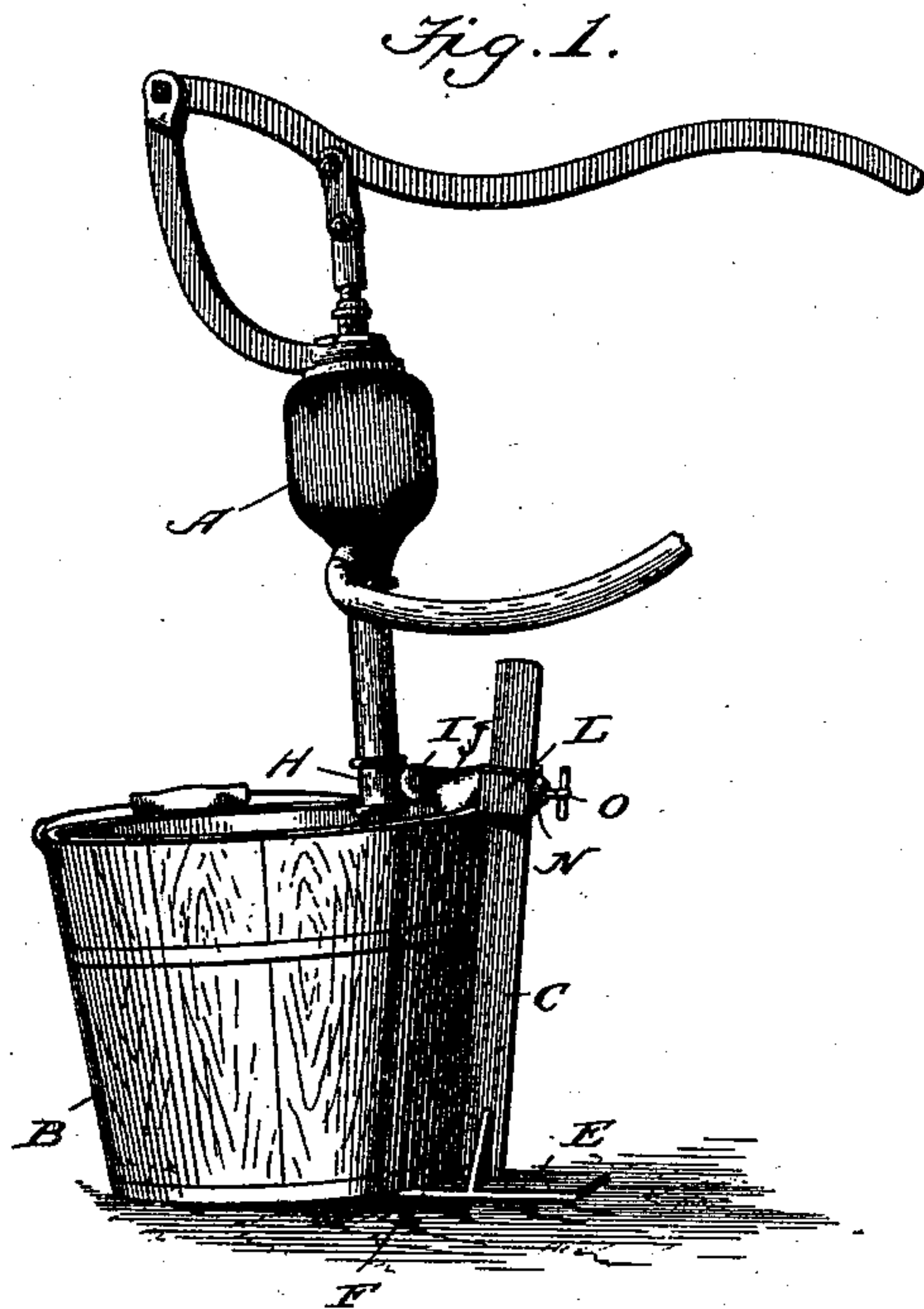


(No Model.)

D. STRICKLER.
BUCKET PUMP.

No. 547,691.

Patented Oct. 8, 1895.



Witnesses:

Edwin L. Bradford

Harry D. Polver.

Inventor

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UNITED STATES PATENT OFFICE.

DANIEL STRICKLER, OF COLUMBIANA, OHIO, ASSIGNOR TO THE COLUMBIANA PUMP AND MACHINE COMPANY, OF SAME PLACE.

BUCKET-PUMP.

SPECIFICATION forming part of Letters Patent No. 547,691, dated October 8, 1895.

Application filed March 30, 1895. Serial No. 543,800. (No model.)

To all whom it may concern:

Be it known that I, DANIEL STRICKLER, a citizen of the United States, residing at Columbiana, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Bucket-Pumps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to pumps, having special reference to that class of force-pumps in general use for spraying purposes, being portable in their construction and used in connection with a bucket or similar vessel for containing insecticides, fungicides, or other liquids.

More particularly stated, the invention consists in an adjustable attachment for a bucket-pump serving as an effective means of securing the pump within such bucket or vessel and combining therewith a suitable foot-rest for the important purposes of connecting the pump with the bucket and steadying the apparatus when in use. Heretofore pumps have been used in connection with buckets containing a spraying liquid, being held therein by hand. Foot-rests have also been devised secured to the stock of the pump and used with more or less satisfaction. In these constructions, however, liability of spilling the liquid was a serious one, and the power required to manipulate the pump was considerable.

The invention will be hereinafter described, and particularly pointed out in the claims following.

In the accompanying drawings, forming part of this specification, Figure 1 represents a perspective view of my invention as applied to a bucket in position for use, and Fig. 2 detail perspective views showing the invention detached from bucket.

Reference being had to the drawings and letters thereon, A indicates a force-pump of ordinary construction, and B a bucket or pail within which it is detachably located.

C is a supporting-standard, preferably made of cast metal, having formed upon or otherwise secured to its lower extremity a web or

base D. Base D is arranged at an angle to standard C, and consists in projections E F on opposite sides of its longitudinal center, the former having a plain upper surface forming a foot-rest and the latter terminating in a vertical lug G for engagement with the lower rim of a bucket, as will later appear.

H indicates a collar surrounding the stock of pump A, having connected thereto, by means of a knuckle-joint I, an arm J, provided with a downwardly-extending finger K and an enlarged outer end or head L. Head L is perforated by a rectangular opening M, adapted to receive the standard C, upon which it is thus rendered vertically adjustable. As a means of locking the head, however, upon its supporting-standard, the former is tapped at its outer end N by a screw-thread, wherein is located a binding-screw O, the end thereof bearing directly upon the edge of standard C.

This being substantially the construction of my invention, its use and operation are self-evident upon inspection of Fig. 1. It will be observed, however, that the angle of inclination given standard C corresponds practically with the flare ordinarily given the sides of a bucket or pail, and when properly secured to a bucket the lug G engages the inside of its lower rim in like manner as finger K engages the upper. When, therefore, arm J is secured in its lowermost position upon the rim of bucket B through the agency of binding-screw O, the whole structure—pump, bucket, and attachment—is firmly though detachably bound together, and the operator obtains perfect control of the apparatus by simply placing one foot upon rest E while operating the handle of the pump, upon which he is thus enabled to exert great force by reason of the stability and rigidity of the structure.

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

1. A bucket-pump in combination with a supporting standard having an inwardly projecting base, and an arm vertically adjustable upon said standard secured to the pump, substantially as described.

2. A bucket-pump in combination with a supporting standard having an inwardly pro-

jecting base, and an arm vertically adjustable upon said standard secured to the pump by a hinge connection, substantially as described.

3. A bucket-pump in combination with a supporting standard having a base projecting upon both sides of its longitudinal center, and an arm vertically adjustable upon said standard secured to the pump, substantially as described.

10 4. A bucket-pump in combination with a supporting standard having a base projecting on both sides of its longitudinal center, an arm vertically adjustable upon said standard secured to the pump, and lugs for engaging
15 the upper and lower rim of a bucket, substantially as described.

5. A bucket-pump in combination with a supporting standard crossed at its base by a web at an angle thereto, an arm vertically adjustable upon said standard secured to the pump by a hinge connection, lugs upon said web and arm for engaging the rims of a bucket, and a binding screw for locking the parts in operative position, substantially as described. 25

In testimony whereof I subscribe my signature in presence of two witnesses.

DANIEL STRICKLER.

Witnesses:

JOHN G. BEATTY,
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