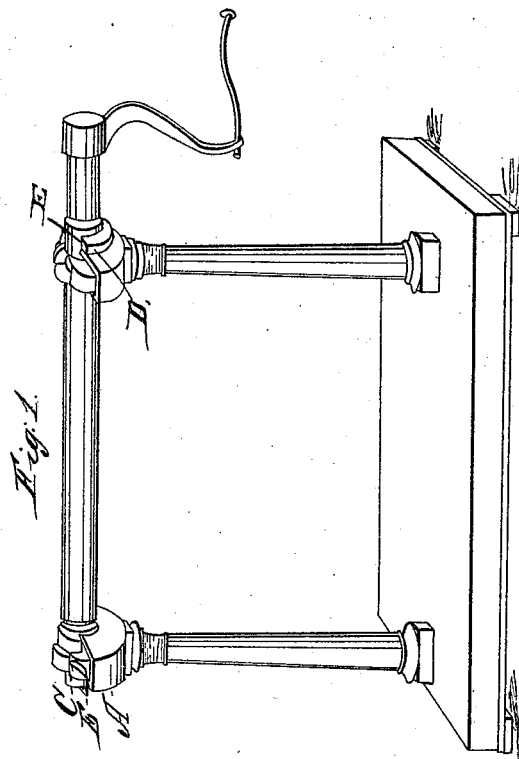
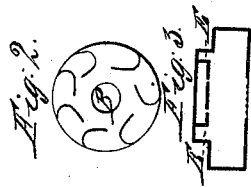


*Derlan, Wood & Hancock,*  
*Journal Lubricator.*  
*N<sup>o</sup> 4,686.                      Patented Aug. 8, 1846.*



# UNITED STATES PATENT OFFICE.

PATRICK S. DEVLAN AND CHESELDEN S. WOOD, OF READING, AND JOHN HANCOCK, OF PHILADELPHIA, PENNSYLVANIA.

## OILING GUDGEONS.

Specification of Letters Patent No. 4.686, dated August 8, 1846.

*To all whom it may concern:*

Be it known that we, PATRICK S. DEVLAN, of the borough of Reading, in the county of Berks, State of Pennsylvania, and CHESEL-  
DEN S. WOOD, also of the same borough and State aforesaid, and JOHN HANCOCK, of the city of Philadelphia, State of Pennsylvania, have invented a new and useful machine for the purpose of saving the use of oil in machinery and substituting water or any other liquid instead thereof, which we call "Devlan, Wood, and Hancock's Oil-Saver," and do hereby declare the following to be a full, clear, and explicit description of the construction and uses applied in the operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view; Fig. 2 is a sectional face view of the bucket wheel; Fig. 3 a sectional top view of the water-tight box.

Our invention consists in a perfectly water tight box or reservoir (A) attached to a hanger or pedestal under the journal of any kind of machinery. On the shaft is placed a small bucket-wheel (B) which revolves in the aforesaid box, or reservoir and lifts the water or other liquid, and throws it continually upon the journal, or gudgeon, (causing the same quantity of liquid to be used until it evaporates). The end of the

journal or gudgeon, rests in the projecting part of the water tight box (D) and when the liquid is raised and thrown upon the journal or gudgeon, (C) it is conducted back into the main body of the box or reservoir, (A) by means of grooves (E E) cut in the aforementioned projection on each side of the journal or gudgeon (C) and parallel with it. And if necessary air chambers will be introduced into said bucket wheel.

What we claim as our invention and desire to secure by Letters Patent is—

1. The combination of the reservoir, bucket wheel, box, and gudgeon, as described, for the purpose of using water or any liquid as a substitute for oil on machinery, or in the case of using oil to save its consumption; this water or liquid can be also applied by means of a spiral wheel or Archimedian screw or any shaped wheel, screw or elevator, that will raise water, or any other liquid, and discharge it upon the journal.

2. We also claim the introduction of the air chambers in the bucket wheel.

PATRICK S. DEVLAN.	[L. S.]
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Witnesses:

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