

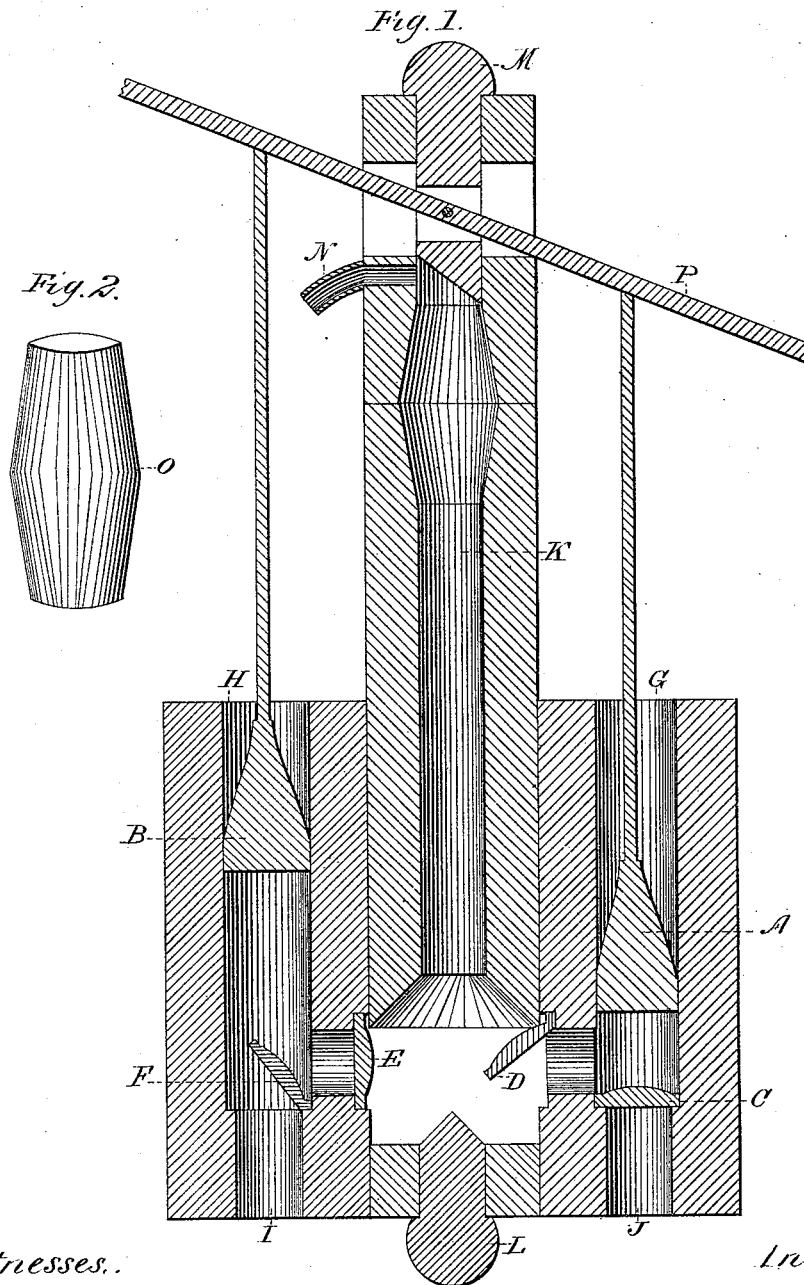
(Model.)

G. W. SIMONS & R. H. GEBOTT.

FORCE PUMP.

No. 266,538.

Patented Oct. 24, 1882



Witnesses.

Mortimer Atkinson
Albert G. Brown

Inventor:

George W. Simons
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UNITED STATES PATENT OFFICE.

GEORGE W. SIMONS AND ROBERT H. GEBOTT, OF ST. CATHARINES, ONTARIO, CANADA; SAID SIMONS ASSIGNOR TO SAID GEBOTT.

FORCE-PUMP.

SPECIFICATION forming part of Letters Patent No. 266,538, dated October 24, 1882.

Application filed April 18, 1881. (Model.) Patented in Canada November 27, 1880, No. 12,031.

To all whom it may concern:

Be it known that we, GEORGE WASHINGTON SIMONS and ROBERT HENRY GEBOTT, citizens of the United States of America, residing at the city of St. Catharines, in the county of Lincoln and Province of Ontario, Canada, have invented certain new and useful Improvements on Force-Pumps, (for which we have obtained a patent in the Dominion of Canada, No. 12,031, bearing date November 27, 1880,) of which the following is a specification.

The first part of our invention relates to the mode, combination; and construction of the plungers and valves. The object of this part of our invention is to do away with the necessity of stuffing-boxes, and renders our invention to be used in wooden pumps, thus lessening the cost of constructing force-pumps.

The second part of our invention relates to the combination and construction of the valves and plungers, which can be placed at the bottom of the well, thus escaping frost, or at any distance from the bottom.

Figure 1 is a vertical section of the entire pump, showing the construction and working of the pump embodying our invention. Fig. 2 is the iron tube for connecting wooden tube of pump when required for deep wells.

A B are the plungers. C D E F are the valves. G is cylinder, showing plunger A down, with valve C closed and valve D open. H is cylinder, showing plunger B raised, with valve E closed and valve F open; I J, tubes through which the water is drawn up; K, tube through which the water is forced to the mouth of the pump; L, plug for stopping up bottom of tube of pump, shaped so as to direct the water upward; M, plug for stopping top of tube of pump, shaped so as to direct the water out of the spout or mouth of the pump; N, nozzle of pump, to which a hose may be attached; O, an iron tube for the purpose of connecting or splicing pump-tube when required for deep wells; P, handles of pump.

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

The combination, in a pump having plungers A B, of valves C, D, E, and F and plugs L M, arranged as shown.

GEORGE WASHINGTON SIMONS.
ROBERT HENRY GEBOTT.

Witnesses:

S. H. MOORE,
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