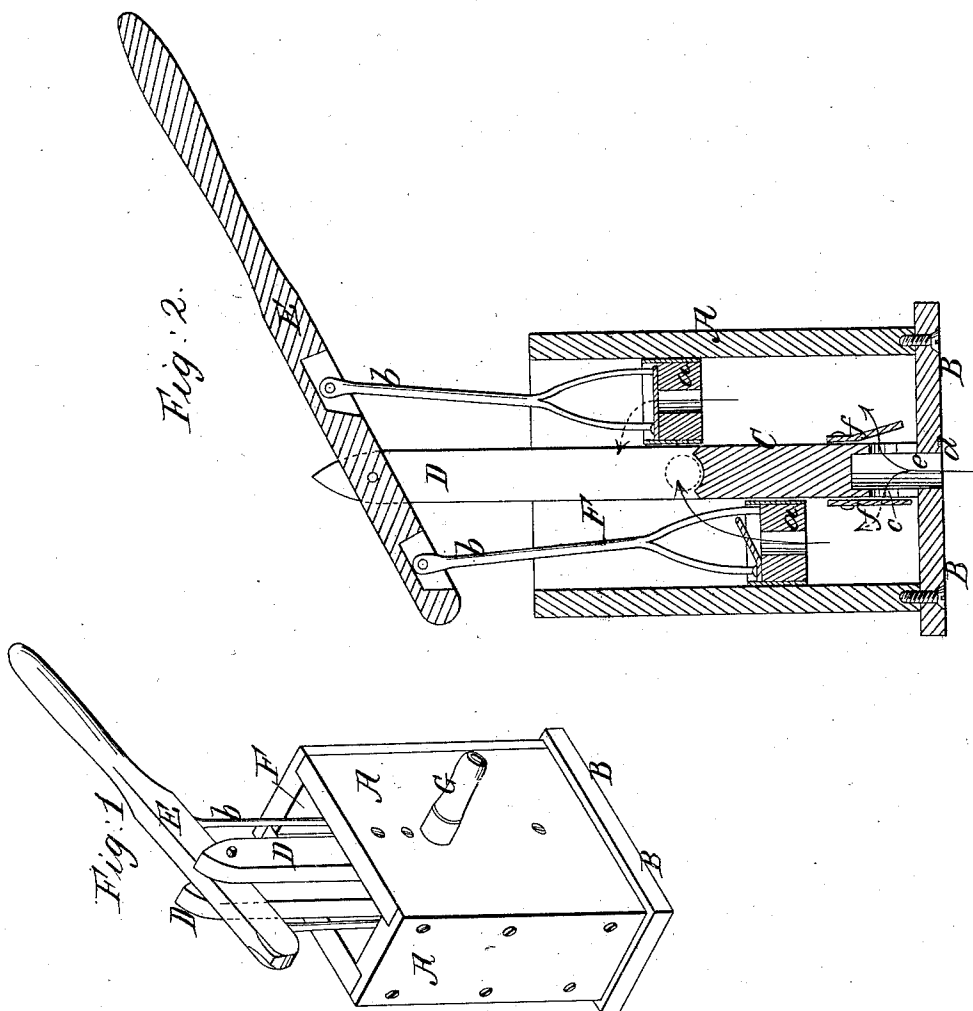


H. M. Wyeth,
Double-Acting Pump,
N^o 37,024. *Patented Nov. 25, 1862*



Witnesses;
John P. Jewett
William S. S. S.

Inventor;
H. M. Wyeth
 Per. *Thos. H. Dodge*
Att'y.

UNITED STATES PATENT OFFICE.

H. M. WYETH, OF BLOOMFIELD, IOWA.

IMPROVEMENT IN PUMPS.

Specification forming part of Letters Patent No. 37,024, dated November 25, 1862.

To all whom it may concern:

Be it known that I, H. M. WYETH, of Bloomfield, in the county of Davis and State of Iowa, have invented a certain new and useful Improvement in Wooden Box-Pumps; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 represents a perspective view of my improved pump, and Fig. 2 represents a central section.

In the drawings, A represents the main box having a bottom, B, and a division-piece, C, which extends up as high as the pump-boxes *a a* are ever elevated when in operation. From the inside of the top of box A extends two pump-handles or lever-supports, D D, between which the handles or lever E is fulcrumed, and to which the boxes *a a* are connected by rods *b b*, as fully indicated in the drawings. The end pieces of the box A are grooved out to fit in between the side pieces, as seen in Fig. 1. The division-piece C has a perpendicular hole, *c*, bored in its lower end corresponding with the hole *d* in the bottom B, and a horizontal hole, *e*, whose outer ends are closed by the valves *f f*. By the above construction of the center or division piece the pump can be con-

structed very cheap and in a durable manner.

The operation will be readily understood by those skilled in the art by a simple reference to the drawings. The arrows indicate the course of the water. It will be understood, of course, that the valves open and close alternately. From the common water-chamber F the water flows out of the spout G. The pipe leading to the well is to be connected in any well-known manner to the bottom B.

I am aware that T-shaped pipes are common, and that two pump-cylinders may be supplied with water thereby, with or without valves at the induction-ports, as an optional expedient; but in the arrangement I present a two-fold function is performed by the partition between the cylinders, and the use of pipes is hence avoided.

I therefore claim—

The combination of the central division-piece, C, with its holes *c* and *d* and valves *f f*, with the other parts of the pump, the whole constructed and arranged for operation substantially as shown and described.

H. M. WYETH.

Witnesses:

J. H. PLANK,
WM. J. LAW.