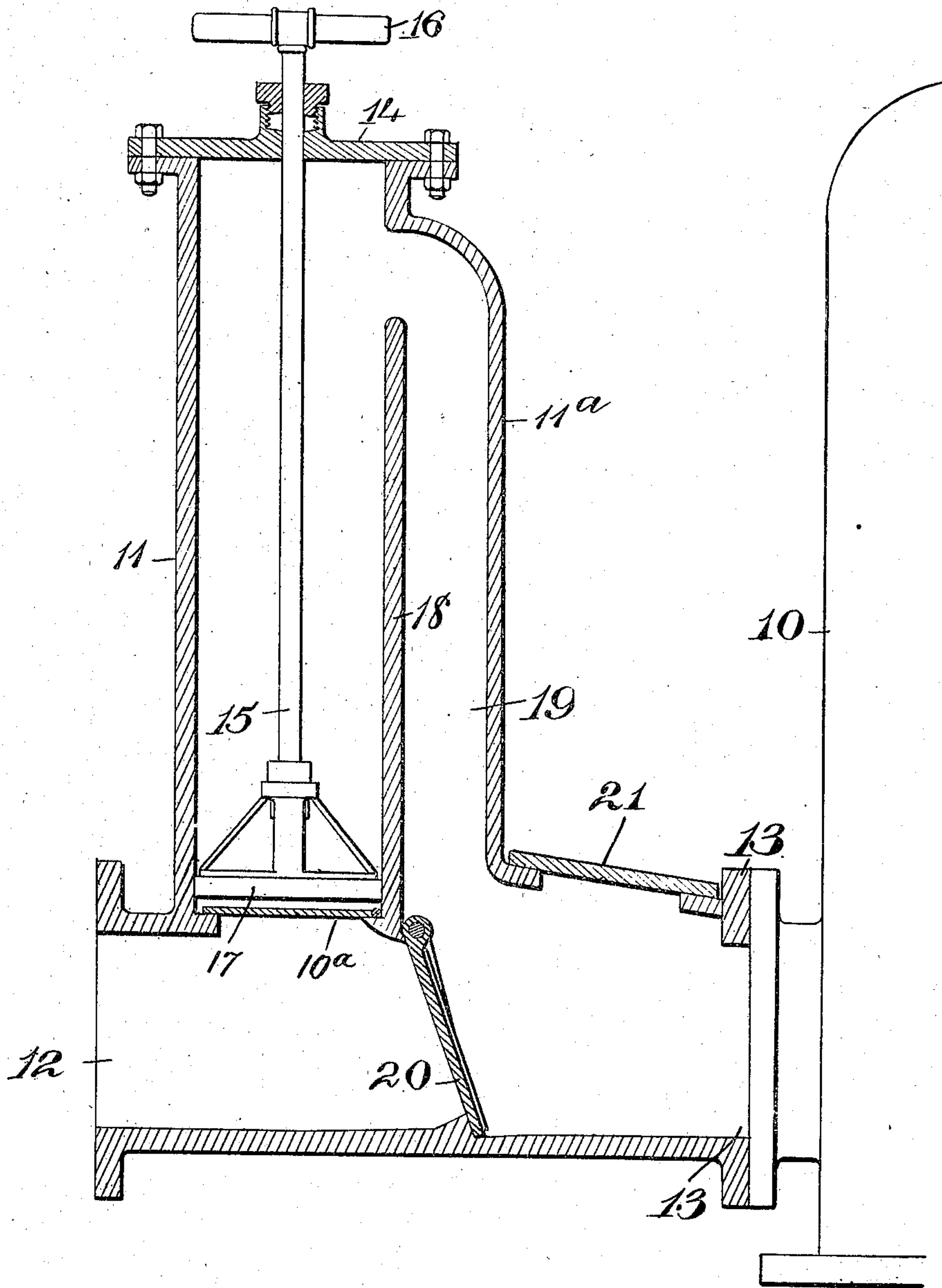


J. J. BATAILLE.  
PUMP PRIMER

APPLICATION FILED OCT. 12, 1907.

900,468.

Patented Oct. 6, 1908.



WITNESSES:

E. A. Pell  
S. A. Rogers

INVENTOR

John J. Bataille,  
BY  
Wm. H. Campfield,  
ATTORNEY



# UNITED STATES PATENT OFFICE.

JOHN J. BATAILLE, OF EAST ORANGE, NEW JERSEY.

## PUMP-PRIMER.

No. 900,468.

Specification of Letters Patent.

Patented Oct. 6, 1908.

Application filed October 12, 1907. Serial No. 397,062.

*To all whom it may concern:*

Be it known that I, JOHN J. BATAILLE, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Pump-Primers; 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, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

This invention relates to a pump primer, and is designed to provide a pump structure that combines a manually operated or hand pump with a casing therefor having an auxiliary duct, and a check valve suspended between the main channel and the auxiliary duct of the pump, this valve acting also as a main check valve to the pump proper.

The invention is illustrated in the accompanying drawing, in which the figure illustrates the primer in section with a portion of the pump illustrated in elevation.

Any usual form of pump 10 is employed, and on the inlet end thereof is secured a casing 11, of the primer, which has the inlet portion 12 and the outlet 13, this outlet, of the primer, being secured to the inlet of the pump. A cover 14 is installed on the top of the primer to form a closure, and operating in the pump is a piston rod 15, on the projecting end of which is a handle 16 and which has, on its lower end within the pump, an ordinary plunger 17 as employed in lift pumps. At the bottom of the pump is a check valve 10<sup>a</sup> which opens to allow water to pass through when the piston is lifted, and closes to prevent water escaping when the piston is forced downward, or when suction ceases. A partition 18 is installed in the casing of the primer, which forms, with the outer wall 11<sup>a</sup> of the primer casing, an auxiliary duct 19, the water thus being drawn in through the primer inlet 12, up through the piston 17, over the top of the partition 18, down the auxiliary duct 19, and then through the outlet 13 of the primer.

Suspended on the bottom of the partition 18 is a check valve 20 which is inoperative

or shut while the primer is operated, this valve, however, being swung open when the pump is operated, the valve being opened 55 by the suction. I provide a removable cap 21, above the check valve 20, to provide for repairing, cleaning and any other uses to which it might be put.

When the pump is to be filled, before its operation begins, the primer is manipulated 60 by means of the handle 16, and the water passes through the primer, the auxiliary duct thereof, and then into the main pump, the check valve 20 being in the meantime closed 65 automatically. The device is compact, and is situated so that it in no way interferes with the operation of the pump, when the primer is not in use.

Having thus described my invention, what I claim is:—

1. In combination with a pump, of a primer comprising a casing having an inlet portion and an outlet portion, the outlet portion being adapted to be secured to the inlet 75 of the pump, a pump portion transversely arranged on the casing, a partition in the pump portion forming two ducts, a piston and its rod on one side of the partition, and a check valve arranged at the bottom of the partition between the ducts, whereby the water passing from the pump portion to the pump holds the check valve shut.

2. In combination with a pump, of a primer comprising a casing having an inlet 85 portion and an outlet portion in line with the inlet, the outlet portion being adapted to be secured to the inlet of the pump, a pump portion arranged perpendicularly on the casing, a partition in the pump portion and 90 stopping short of the top to form connected ducts, a pump and its piston in one duct, and a check valve hinged to the bottom of the partition and kept closed by the suction on the pump portion and also by the water passing from the pump portion to the pump.

In testimony, that I claim the foregoing, I have hereunto set my hand this tenth day of October 1907.

JOHN J. BATAILLE.

Witnesses:

WILLIAM F. DELANEY,  
R. G. BATAILLE.