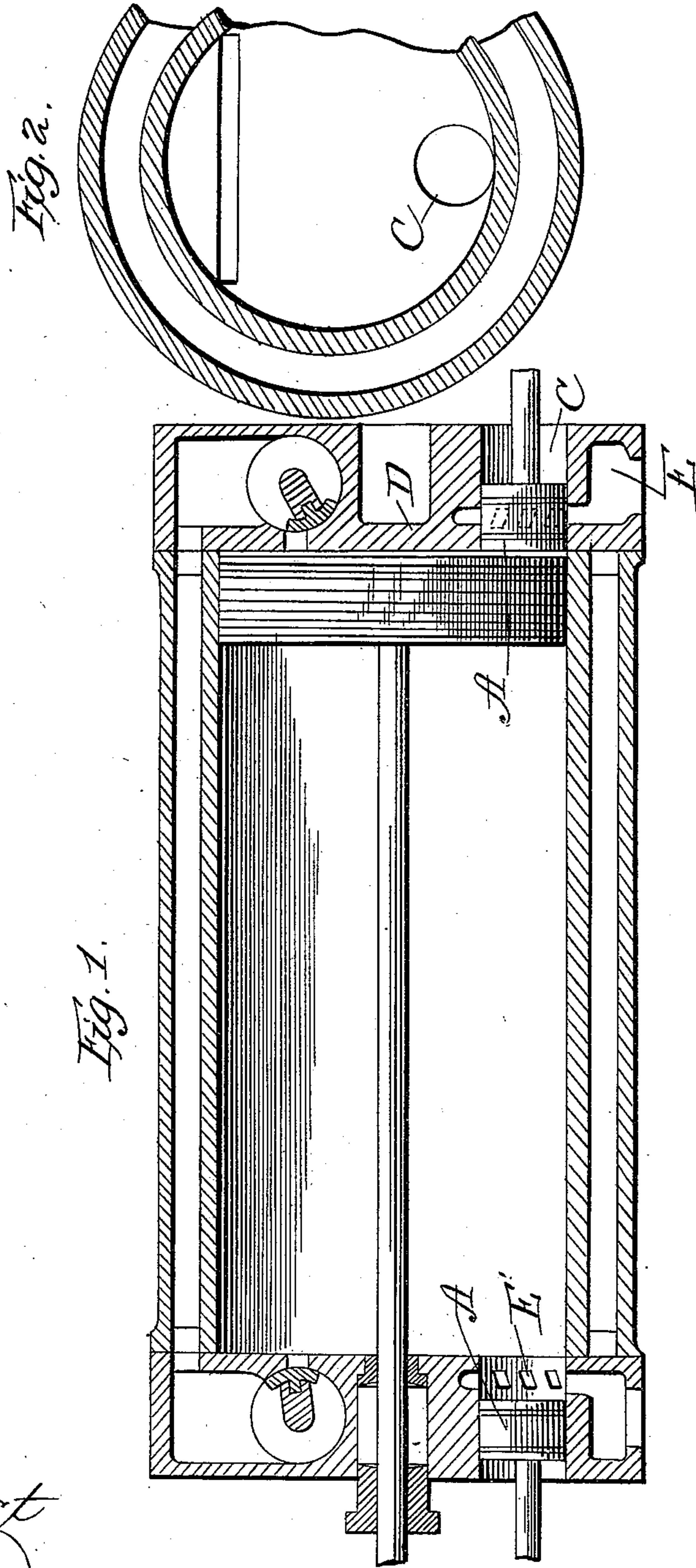


(No Model.)

A. BOLLINCKX.
EXHAUST VALVE FOR STEAM ENGINES.

No. 561,197.

Patented June 2, 1896.



Attest
J. L. Marshall
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Inventor
Arthur Bollinckx
by Richards & Co.
Attys.

UNITED STATES PATENT OFFICE.

ARTHUR BOLLINCKX, OF BRUSSELS, BELGIUM.

EXHAUST-VALVE FOR STEAM-ENGINES.

SPECIFICATION forming part of Letters Patent No. 561,197, dated June 2, 1896.

Application filed July 20, 1895. Serial No. 556,637. (No model.) Patented in Belgium March 21, 1895, No. 114,651, and in England April 26, 1895, No. 8,293.

To all whom it may concern:

Be it known that I, ARTHUR BOLLINCKX, a subject of the King of Belgium, residing at Brussels, in the Kingdom of Belgium, have
5 invented certain new and useful Improvements in Exhaust-Valves for Steam-Engines and other Motive Machines, of which the following is a specification.

This invention has been patented in Belgium, dated March 21, 1895, No. 114,651, and
10 in Great Britain, dated April 26, 1895, No. 8,293.

It is the object of my invention to provide a valve adapted to control the discharge of
15 steam from a cylinder which will reduce to a minimum the clearance in the cylinder.

In the drawings, Figure 1 is a sectional view longitudinally through a portion of the cylinder and valve-casing, and Fig. 2 is a trans-
20 verse section through the same.

The cylinder and piston are of any ordinary construction. D is the cylinder-cover, having the steam-conduit eduction E and the cylindrical valve-casing C, the lower edge of which
25 is on a level with the surface of the interior of the cylinder. Ports E' lead through the valve-casing to the conduit E. In the valve-

casing a cylindrical valve A reciprocates, and when at the inner end of its stroke the face of this valve is even or flush with the inner
30 face of the cylindrical cover, thereby reducing the clearance in the cylinder. The valve reciprocates along a line parallel with the axis of the cylinder.

I claim—

In combination, the cylinder with its cover
35 and piston, an exhaust-valve arranged in line with the interior bottom part of the cylinder to permit the ready escape of the water, said valve being of cylindrical form and reciprocating parallel with the axis of the cylinder
40 to present its inner face flush or even with the inner face of the cover when the valve is in its inner position, the valve's inner face being of the full diameter of said valve to
45 present with the cover an unbroken inner face, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ARTHUR BOLLINCKX.

Witnesses:

GEORGE BEDE,
GREGORY PHELAN.