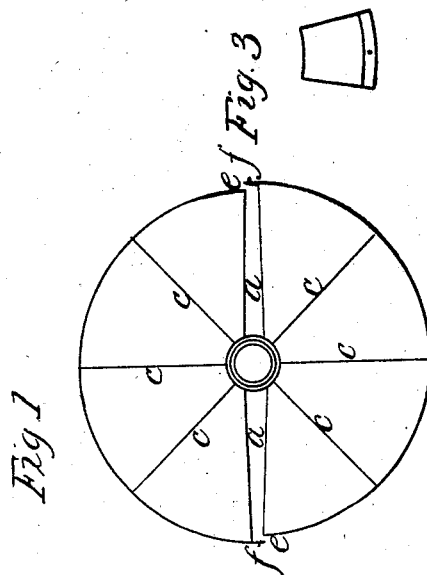
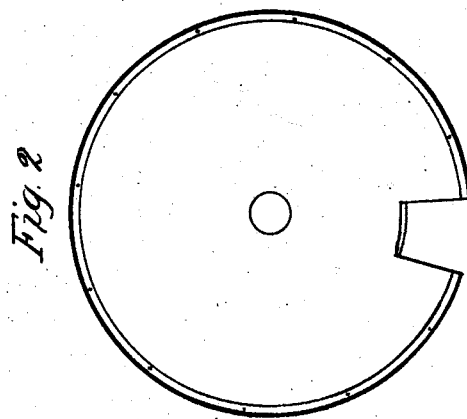


Wright & Wilder,
Rotary Steam Engine.
No 667. Patented Apr. 2, 1838.



UNITED STATES PATENT OFFICE.

OLIVER WRIGHT AND A. A. WILDER, OF WARSAW, NEW YORK.

ROTARY STEAM-ENGINE.

Specification of Letters Patent No. 667, dated April 2, 1838.

To all whom it may concern:

Be it known that we, OLIVER WRIGHT and
ARETUS A. WILDER, of Warsaw, in the
county of Genesee and State of New York,
5 have invented a new and useful Improve-
ment in the Reacting Steam-Engine; and we
do declare that the following is a full and
exact description.

The nature of our invention consists in
10 providing the apertures or orifices of the en-
gine with springs and set screws so that they
may be opened or closed as may be required.
This is effected by having a spring placed
in the apertures and riveted to the part
15 forming the end of the tube or steam con-
ductor, the set screw passes through the
same so that by starting the screw forward
it presses against the spring and closes the
orifices.

20 Figure 1 represents the engine wheel with
one of the side plates removed to show the
manner of constructing the same. *a, a*, the
hollow arms or tubes which convey the steam
from the center to the edge of the wheel.
25 *b* is two iron plates about six inches in di-

ameter placed each side of the arms or tubes
and firmly riveted together for the purpose
of holding the foot of the false arms. *C, C, C*,
false arms through which the side plates are
riveted. *d*, the rim through which 30
the side plates are also riveted. *e e* repre-
sents the springs in the hollow arms. *f, f*,
set screws for moving the springs *e, e*. Fig.
2 represents one half of the case with an
opening or door on the side for the purpose 35
of conveniently having access to the orifices.
Fig. 3 a small door to fit the opening in
the case.

What we claim as our invention and de-
sire to secure by Letters Patent, is— 40

The application of springs and set screws
to the apertures of rotary steam engines, and
also of placing a door in the case so that the
apertures may be closed or opened without
taking the case apart.

OLIVER WRIGHT.
ARETUS A. WILDER.

Witnesses:

JOHN WILDER,
WM. ANDREWS.