

*J. Tobin,*

*Flour Sieve.*

*No 70,377.*

*Patented Oct. 29, 1867.*

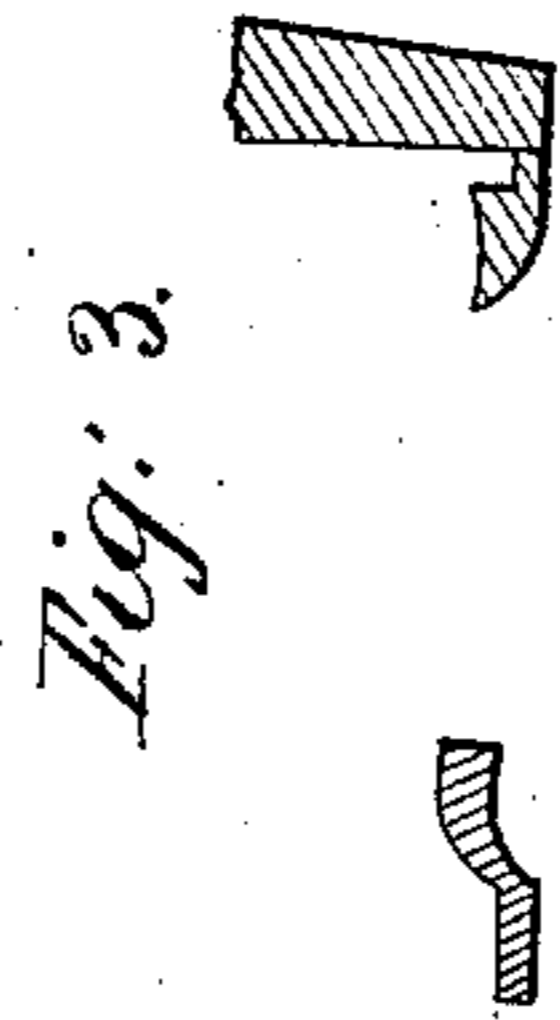
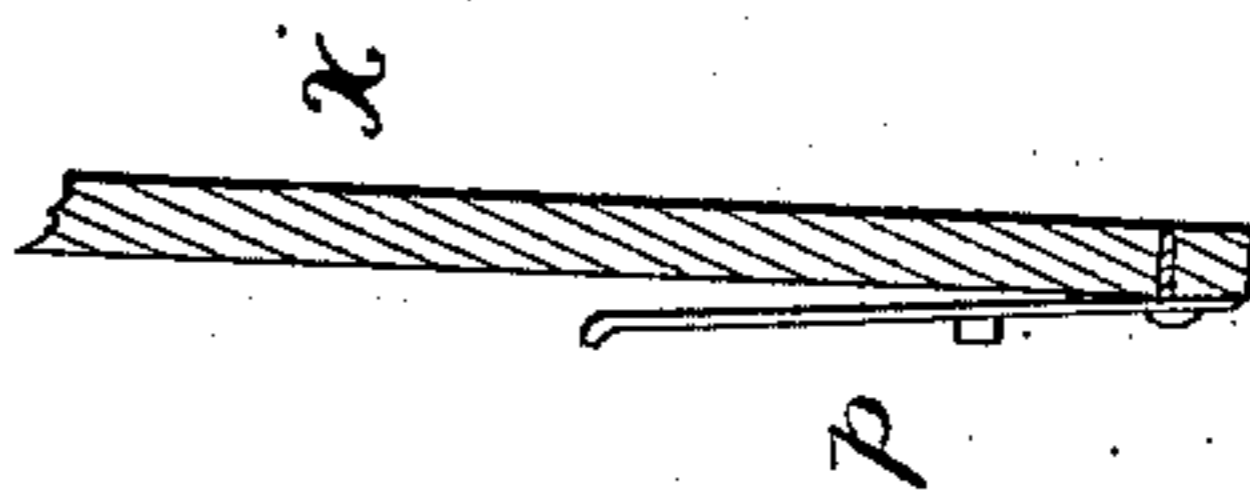
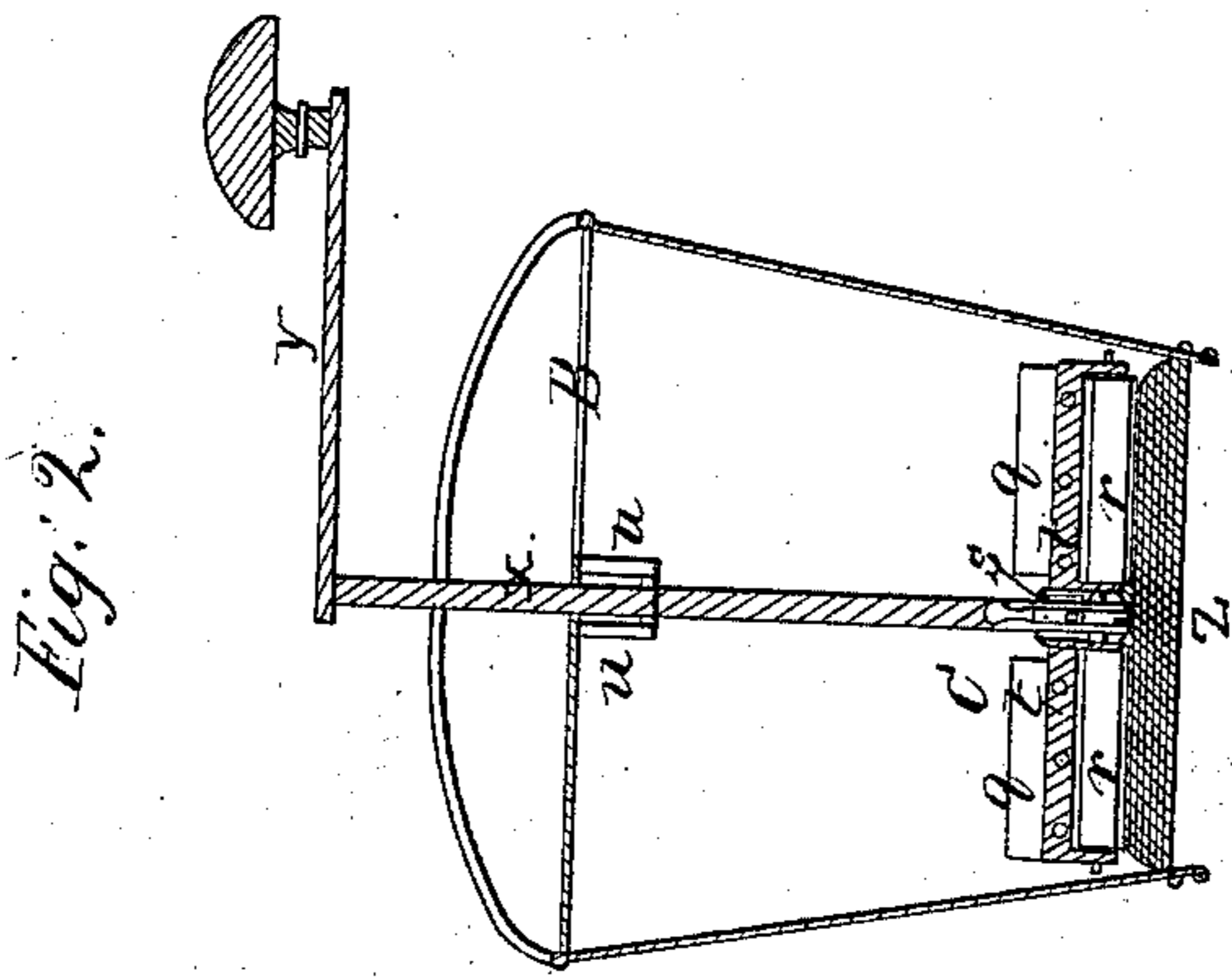


Fig. 4.

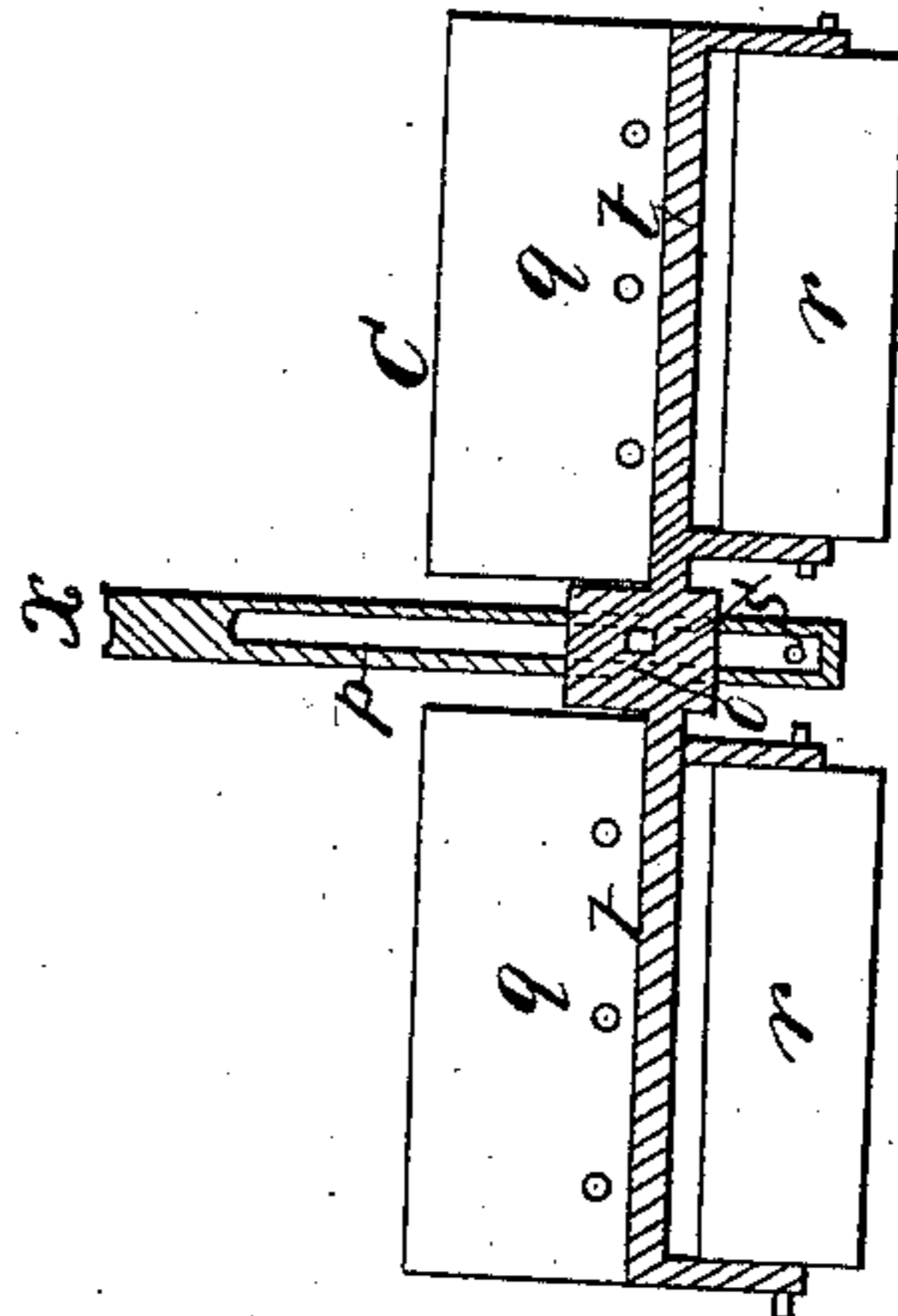
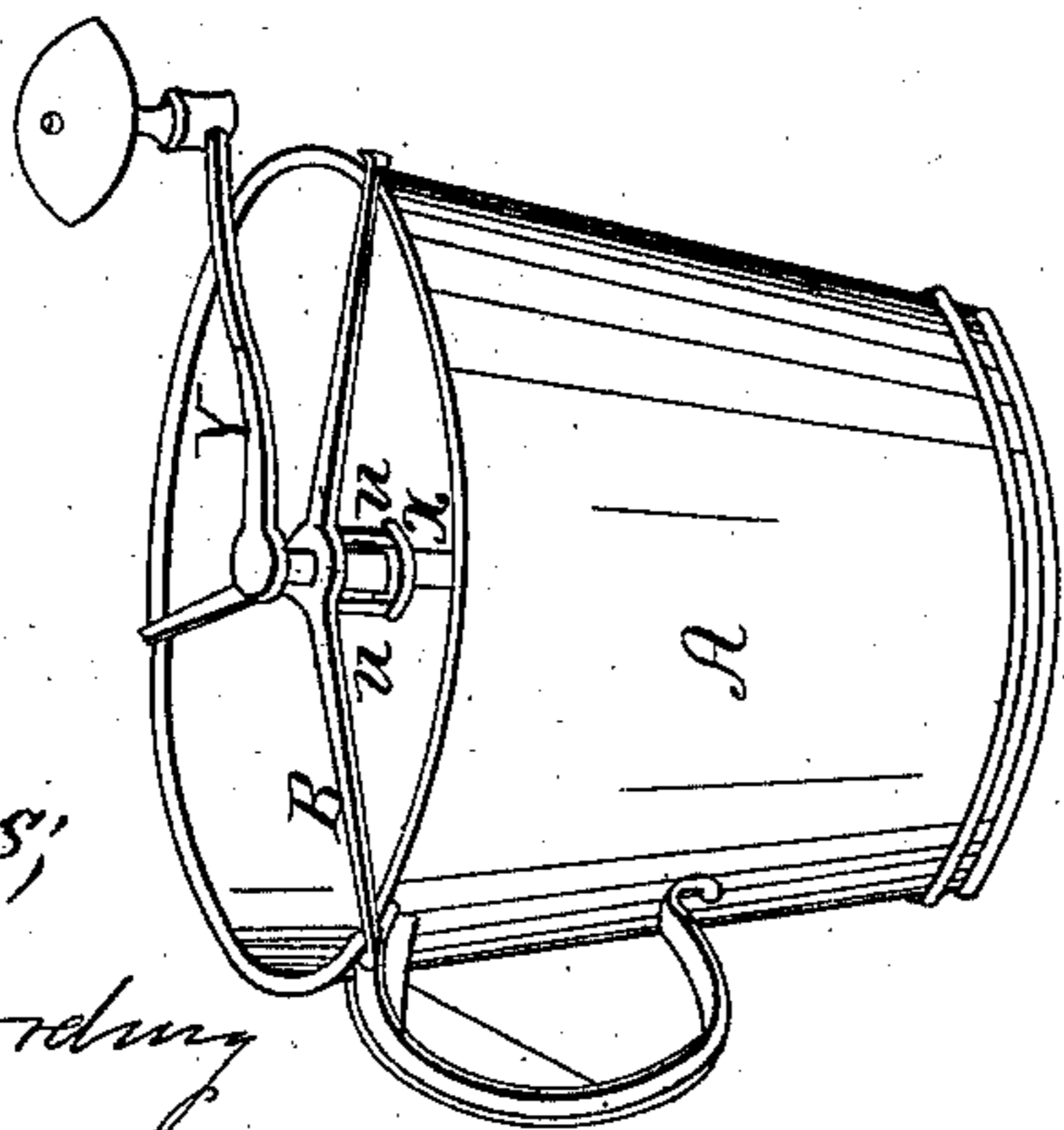


Fig. 1.



*Witnesses;*

*W. M. Gording*

*Edward Collier*

*Inventor;*

*John Tobin*

# United States Patent Office.

JOHN TOBIN, OF NEWARK, NEW JERSEY.

*Letters Patent No. 70,377, dated October 29, 1867; antedated October 9, 1867.*

## IMPROVED FLOUR-SIFTER.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN TOBIN, of the city of Newark, in the county of Essex, and State of New Jersey, have made certain improvements in Family Flour-Sifters; and I do hereby declare the following to be a full and exact description of the same, reference being had herein to the drawings that accompany this specification, and which make part of the same.

My improvement consists in the use of rollers, and in combining them with flexible rubbers, so as to form a reversible stirring apparatus; also in a convenient manner of attaching the stirrer to and of removing it from the sieve or strainer. In the drawings—

Figure 1 is a perspective view of the exterior of the utensil.

Figure 2 is a section showing the interior.

Figure 3 is a view of the end of two of the arms of the supporting spider, and

Figure 4 shows the rollers and flexibles as combined, and the device for reversing.

A conical vessel, A, is provided with a wire-cloth bottom, z, fig. 2. A spider, B, spans the top of the vessel A, two of its arms hooking under the wire edge of the top, the ends of the arms being formed as shown in fig. 3. The end of the other arm is bent down at right angle, and enters a hole in the handle of A, to keep the spider from turning with the rotation of the shaft X. At the middle of the spider two studs, u u, project downwards, attached at their lower ends to a cross-bar, in which is a bearing for the shaft X. The shaft X, having a spring, p, with a nub or short pin thereon, at its lower extremity, is fitted to a socket, S, in the hub of the stirrer C. The nub on the spring p enters the hole o, and keeps the stirrer in place. An arm, t, with the socket-hub S in the middle, has attached thereto two rollers, r r, and two flexible rubbers, q q, fig. 4. This arm can be placed on the shaft X, with the flexible beaters or the rollers down, as may be desired, the rollers being intended for breaking the lumps in the meal during the process of sifting. The rollers can also be used to mash fruit, and the sieve for straining, to make preserves. The revolving of the shaft X by means of the crank y will cause the rollers or flexibles to pass to the bottom of the flour or meal, and cause the same to pass through the wire cloth, the rollers reducing it to its needed fineness.

What I claim as my improvement, and desire to secure by Letters Patent of the United States, is—

The reversible arm t, with the rollers r r and the flexible beaters or rubbers q q, constructed and arranged substantially as shown.

JOHN TOBIN.

Witnesses:

WM. M. GOODING,

EDWARD COLLYER.