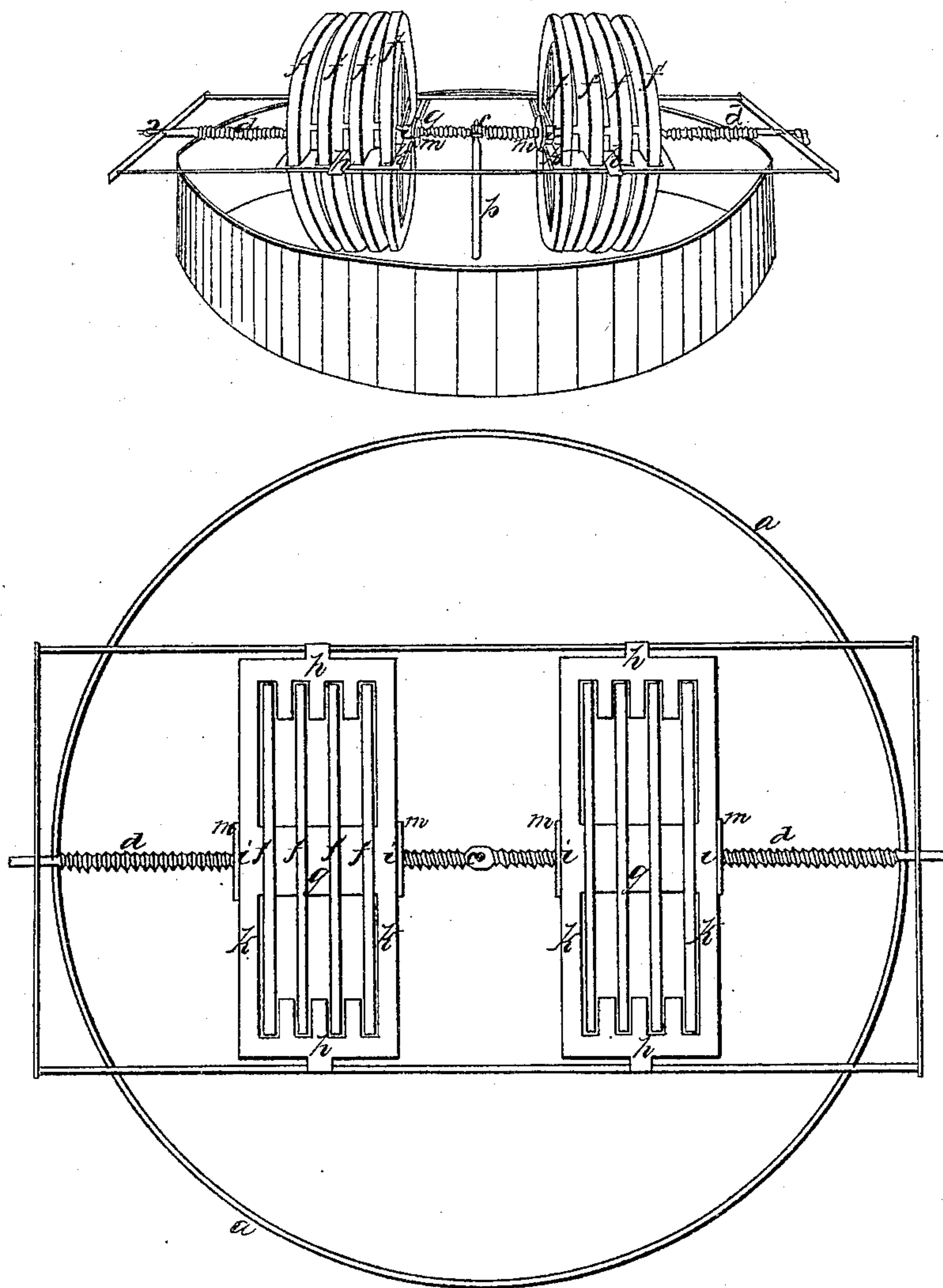


O. W. Seely,
Mortar Mixer,
No. 1.095. Patented Mar. 5, 1839.



UNITED STATES PATENT OFFICE.

ORAN W. SEELY, OF WAYNE COUNTY, NEW YORK.

MACHINE FOR PREPARING MORTAR FOR THE MANUFACTURE OF BRICKS AND OTHER PURPOSES.

Specification of Letters Patent No. 1,095, dated March 5, 1839.

To all whom it may concern:

Be it known that I, ORAN W. SEELY, of the county of Wayne and State of New York, have invented and constructed a new and useful improvement upon the machine called "a machine for preparing mortar for the manufacture of brick and other purposes," for which I, the said ORAN W. SEELY, have heretofore obtained a patent.

10 In the accompanying drawings, Figure 1, is a perspective view, and Fig. 2, a horizontal plan of the machine.

The machine with the improvement is specified in the words following, to wit: In 15 a circular pit or tub (*a, a,*) in the accompanying drawing, with a plane bottom, and sides of an indefinite height is placed the material to be worked; from the center of this tub ascends a perpendicular post (*b*) 20 of a height somewhat greater than that of the tub itself, upon the top of which works freely on a bolt (*c*) removed at will, a horizontal shaft or axle (*d, d*) somewhat longer than the diameter of the tub, and on that 25 part of this axle which turns within the circumference of the tub, (excepting a short space in the middle) the thread of a screw is cut from end to end. Turning upon this horizontal shaft, and perpendicular thereto, 30 on one or both sides of the perpendicular post, is a set of wheels (*f f f f*) 4 in a set; each wheel constructed of spokes and fellies or being a solid sheave, and each set of wheels having but one hub (*g g*) which hub 35 incloses a female screw fitted to the screw upon the horizontal shaft. To each set of wheels is adapted a scraper (*h h*) thus: To a ring or collar (*i i*) loosely fitted to each

end of the naves of the wheels is attached a thin plate or bar (*k, k,*) which passes close 40 along the outside faces of the outer wheels, and the exterior faces of the peripheries of the set of wheels, projecting in between the wheels in such manner as to scrape each wheel clean as it rolls through the mortar. 45 The screw is protected from the wet clay and sand which might otherwise get into it over the collar, by a rim (*m, m*) projecting out from either end of the hubs.

The machine is worked by cattle or horses 50 attached to either or both ends of the horizontal shaft or axle; when put in motion, the wheels being at the extremities of the screw, will move toward the center, and the direction of the power being reversed, they 55 will traverse back to their former position. This being repeated a sufficient number of times, the clay and sand or other materials will be thoroughly incorporated.

What I claim as my improvement upon 60 the machine secured to me by patent dated July 20th 1831, is—

The employment of scrapers in combination with each set of wheels, the whole being constructed, and operating in manner 65 substantially as herein described.

In testimony that the foregoing is a true specification of my improvement as therein described, I hereto set my signature this ninth day of February, in the year of our 70 Lord one thousand eight hundred and thirty nine.

ORAN W. SEELY.

In presence of—

CHARLES W. REES,
CHARLES B. HALLETT.