

A. W. REID.

Improvement in Leather-Scouring Machines.

No. 129,251.

Patented July 16, 1872.

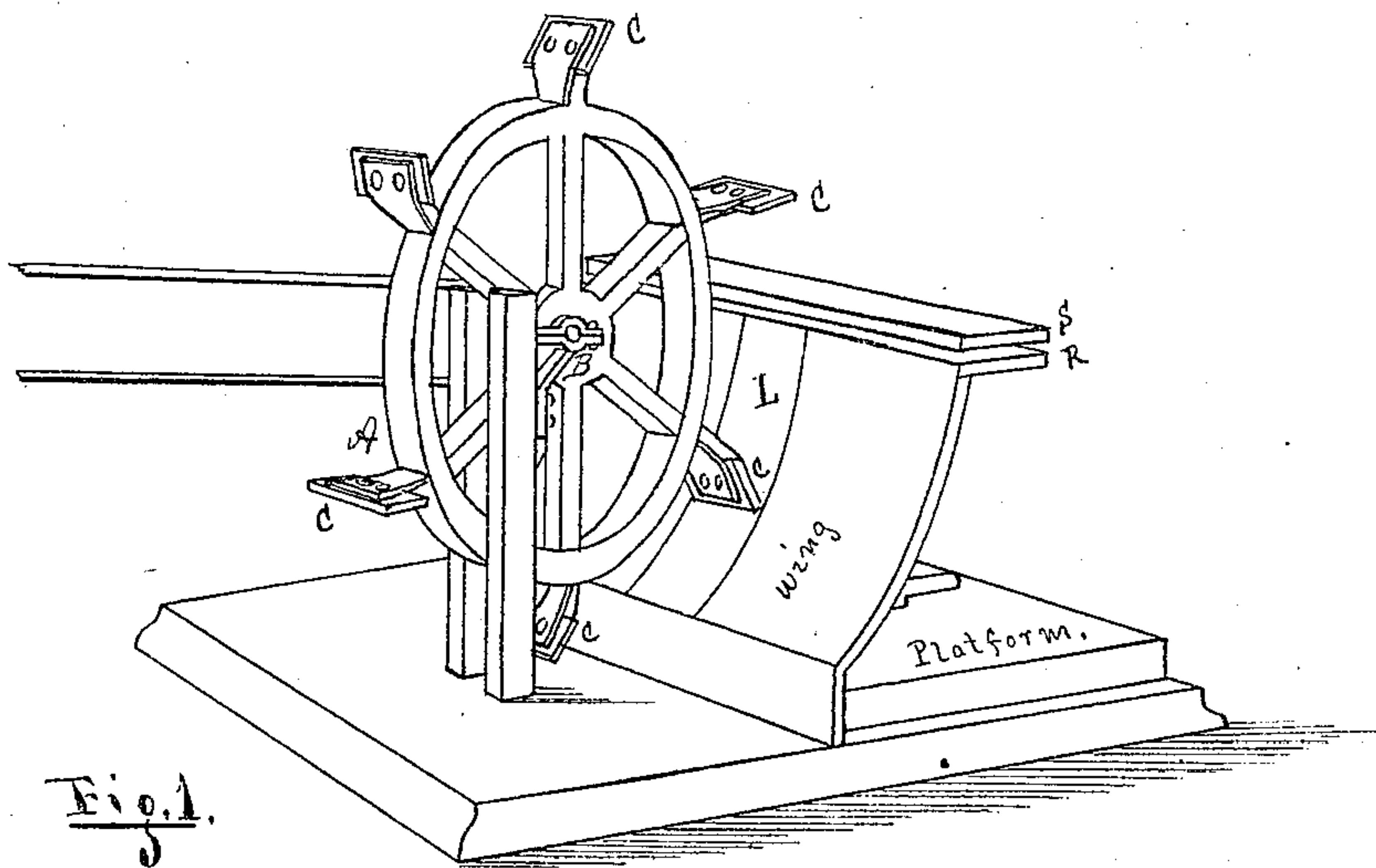


Fig. 1.

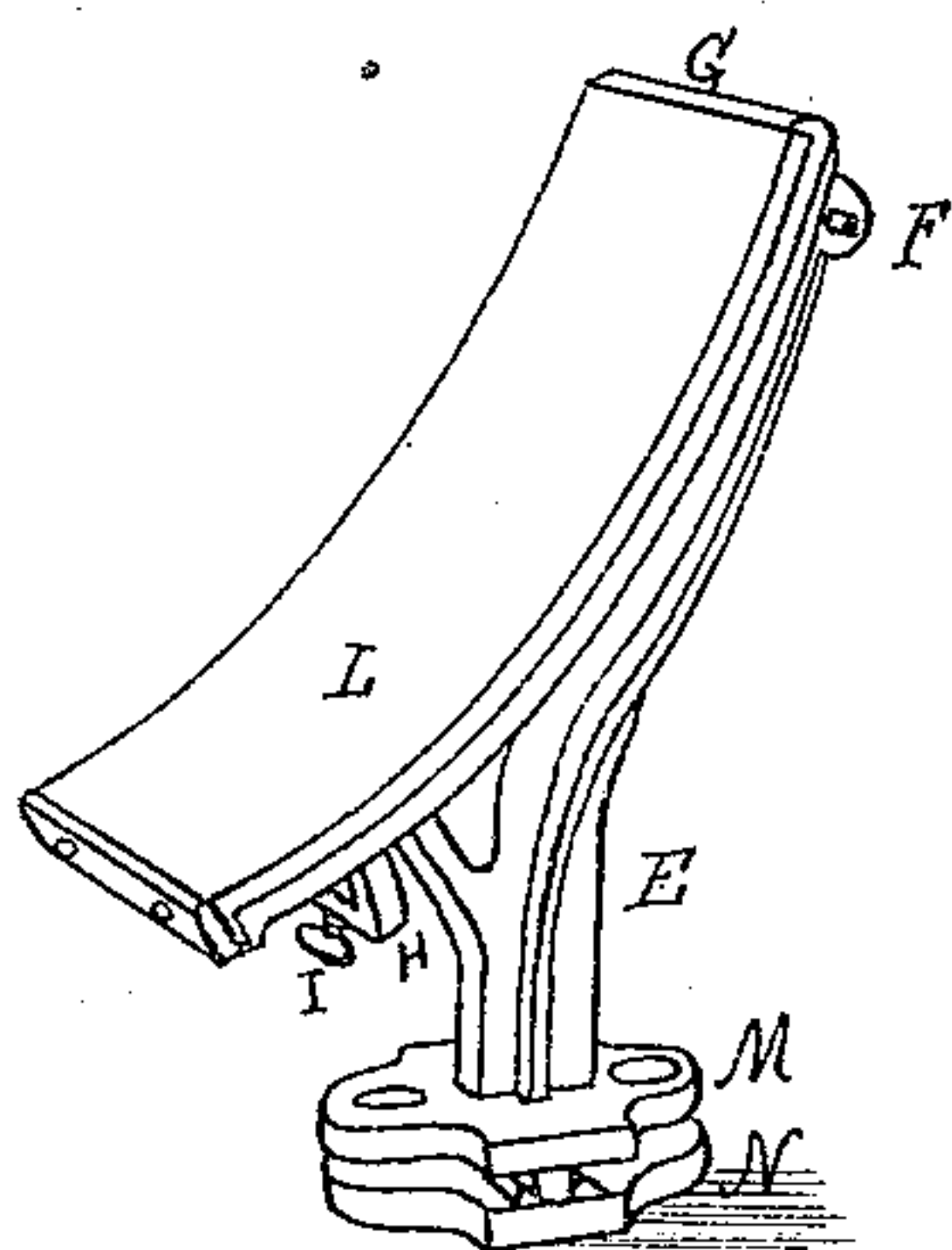


Fig. 3.

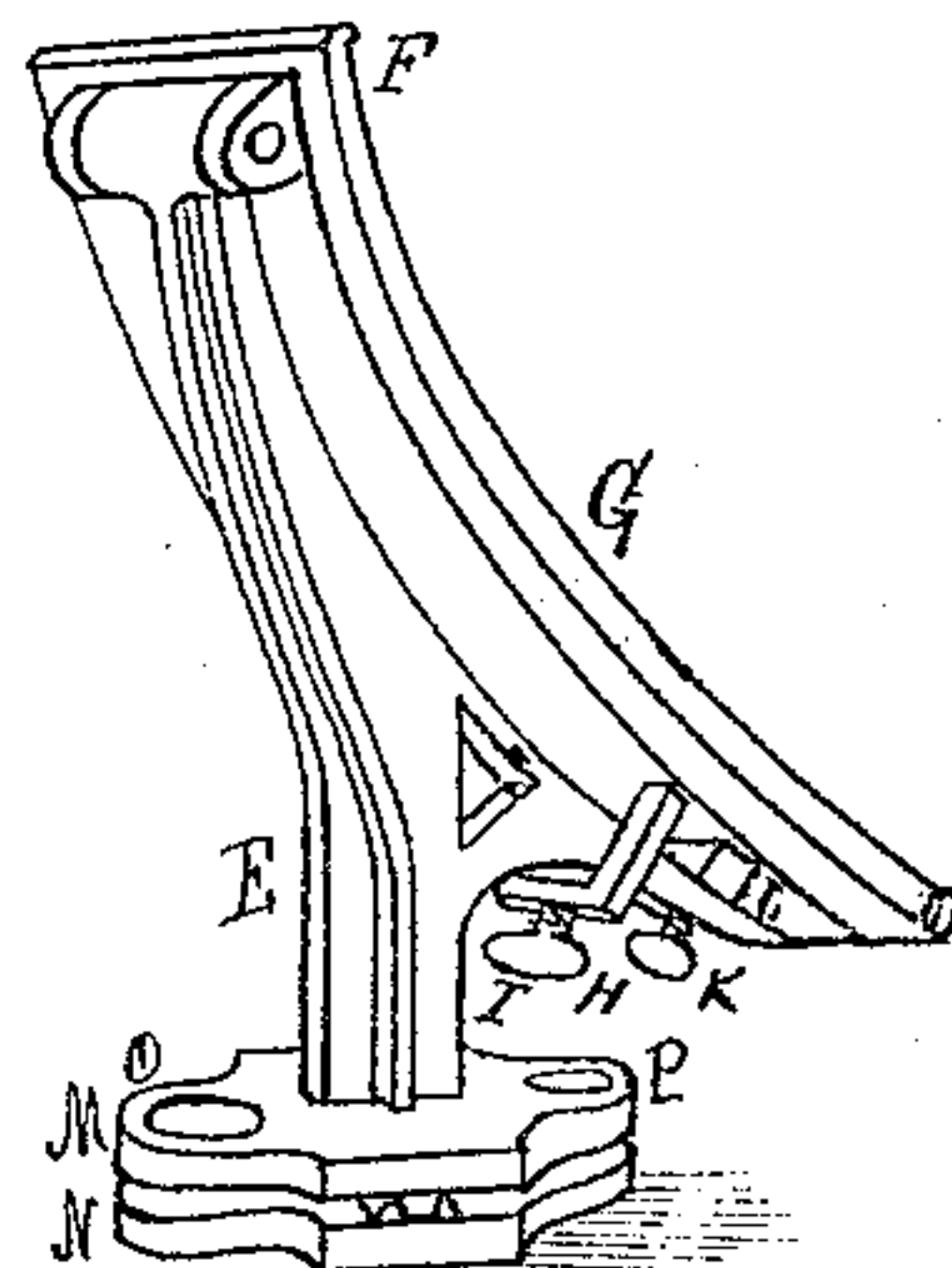


Fig. 4.

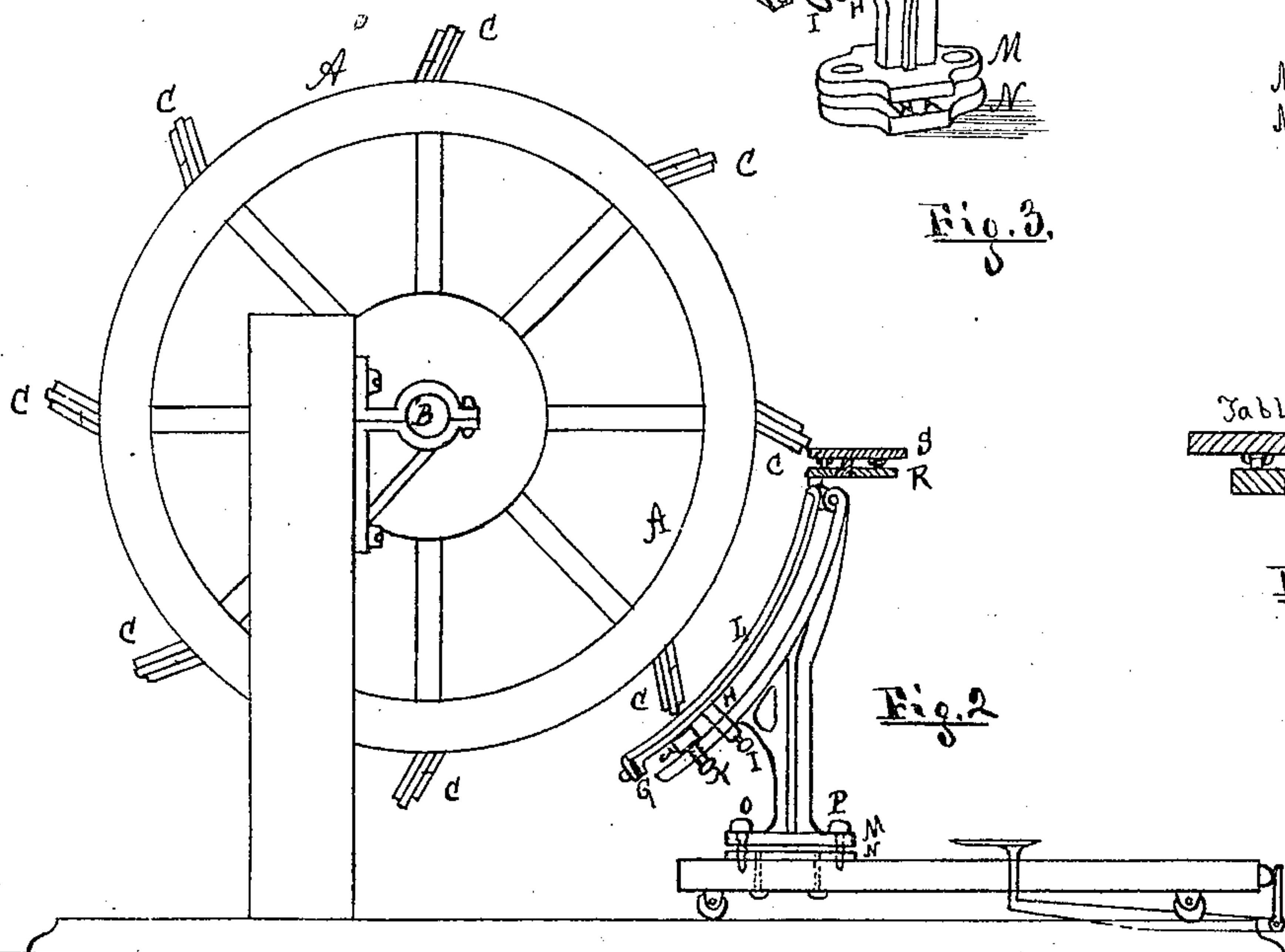


Fig. 2.

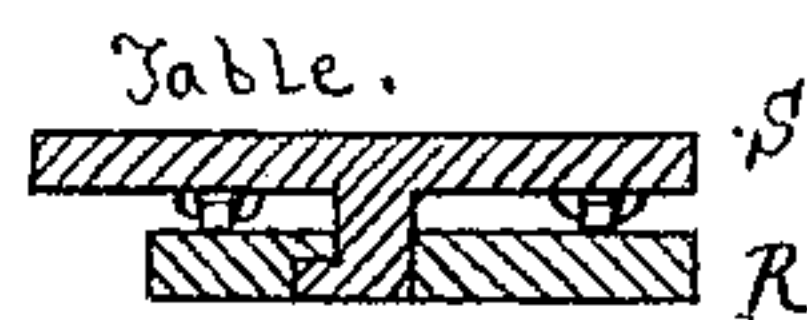


Fig. 5.

Witnesses.

Richard A. Reille.
A. S. Reille

Inventor.

Archibald W. Reid

UNITED STATES PATENT OFFICE.

ARCHIBALD W. REID, OF SCHENECTADY, NEW YORK.

IMPROVEMENT IN LEATHER-SCOURING MACHINES.

Specification forming part of Letters Patent No. 129,251, dated July 16, 1872.

To all whom it may concern:

Be it known that I, ARCHIBALD W. REID, of Schenectady, in the county of Schenectady and State of New York, have invented certain Improvements in "Leather-Scouring and Setting Machines," of which the following is a specification:

The nature of my invention relates to those machines where the leather is placed over a proper support, having a curved face, and is polished or scoured by means of a rotating-disk or wheel hung on a shaft, with proper scouring or setting tools at intervals on its outer surface; and my invention consists in the combination of devices forming the support for the leather and giving the proper curve to the face, and bringing the leather nearer the wheel at its lower part, as will be hereinafter described, and also in the devices for controlling the same.

Description of the Accompanying Drawing.

Figure 1 is a perspective view of a "leather-scouring and setting machine," as improved. Fig. 2 is a side elevation of the same. Fig. 3 is a perspective view of the "support for the leather," separate from the machine, face toward the wheel. Fig. 4 is a perspective of the same from behind; Fig. 5, section of table.

Like letters refer to like or corresponding parts.

General Description.

A represents the rotating-wheel or disk on a shaft, B, and having the "scouring" or "setting" tools or devices at C. The disk, shaft, and devices (C) are old. At E is shown the support. This I construct usually in shape as shown in Figs. 3 and 4, having a proper-curved face towards the disk A, and at F I have hinged thereto a plate of metal, also having a curved face, about as shown. The plate is marked G, and at H I have a clamp or its equivalent, having a screw at I for regulating the pressure against the "scouring" or "setting" tools or devices on the disk A, and at J I have rubber or other suitable spring, against which the plate G rests; and at K I have a thumb-screw to regulate the bearing.

On the face of this plate G I have curved wood, also forming a plate, marked L, properly secured to the plate G at its upper and lower edges, curved to correspond and fitted closely thereto. The arrangement is such that, should the setting or scouring tools bind and press heavily against the leather, the plates G and L may spring sufficiently to prevent injury to the leather, and the devices also admit of properly and readily regulating the pressure, as desirable. The interior face before mentioned as composed of wood may be constructed of any suitable metal, if desired, and all the other parts may be formed of any metal or material suitable for their purpose. The support or standard E has a spreading foot, as shown at M, and this rests on a foundation marked N, and the whole is then secured to the platform by the screws O and P. Between the foot M and foundation N is a projection from the foot M downward, and this strikes the top surface of the foundation N, or it may fit in a groove thereon. The object of this arrangement is so that by means of the screws O and P the support may be slanted forward and backward as desired, and slots are left in the foot M through which the screws O and P pass, which will admit of the support E being pressed nearer the disk A, or further off, as most suitable, thus admitting of very precise regulation. At the top of the support E is shown a plate or board marked R. This is old; but I place another above this, having rollers between the two, so that the upper board or plate S may have motion from side to side of the machine. The board or plate S is the table over which the leather is placed and sustained; and this table S may be of any suitable material. The leather is placed thereon, hanging down on the curved surface of the plate L, and, as polished by the scouring or setting tools of the disk or wheel A, is moved from side to side until the whole hide or skin is put in proper condition.

What I claim, and desire to secure, is—

1. The plate G, in combination with the support E, substantially as described and set forth.

2. The plate L, in combination with the

plate G and support E, substantially as and for the purpose described and set forth.

3. The table S, in combination with the plate or board R, substantially as and for the purpose described and set forth.

4. The foot M, in combination with the support E and foundation N, substantially in

manner and for the purpose as described and set forth.

ARCHIBALD W. REID.

In presence of—

RICHARD H. REILLE,
A. S. REILLE.