

A. W. Reid,

Scouring Leather.

No. 10,508.

Patented Apr. 5. 1870.

Fig. 1.

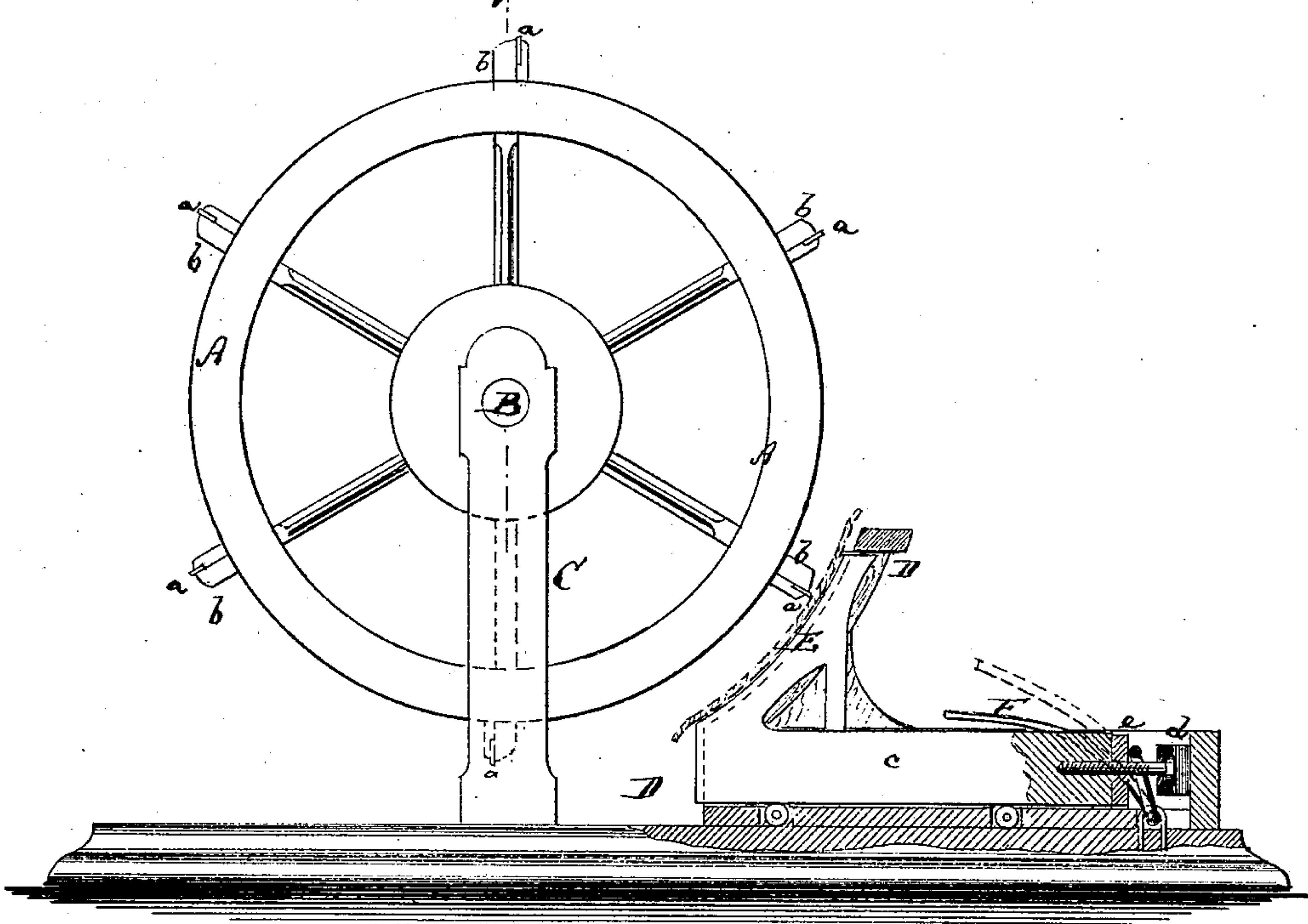
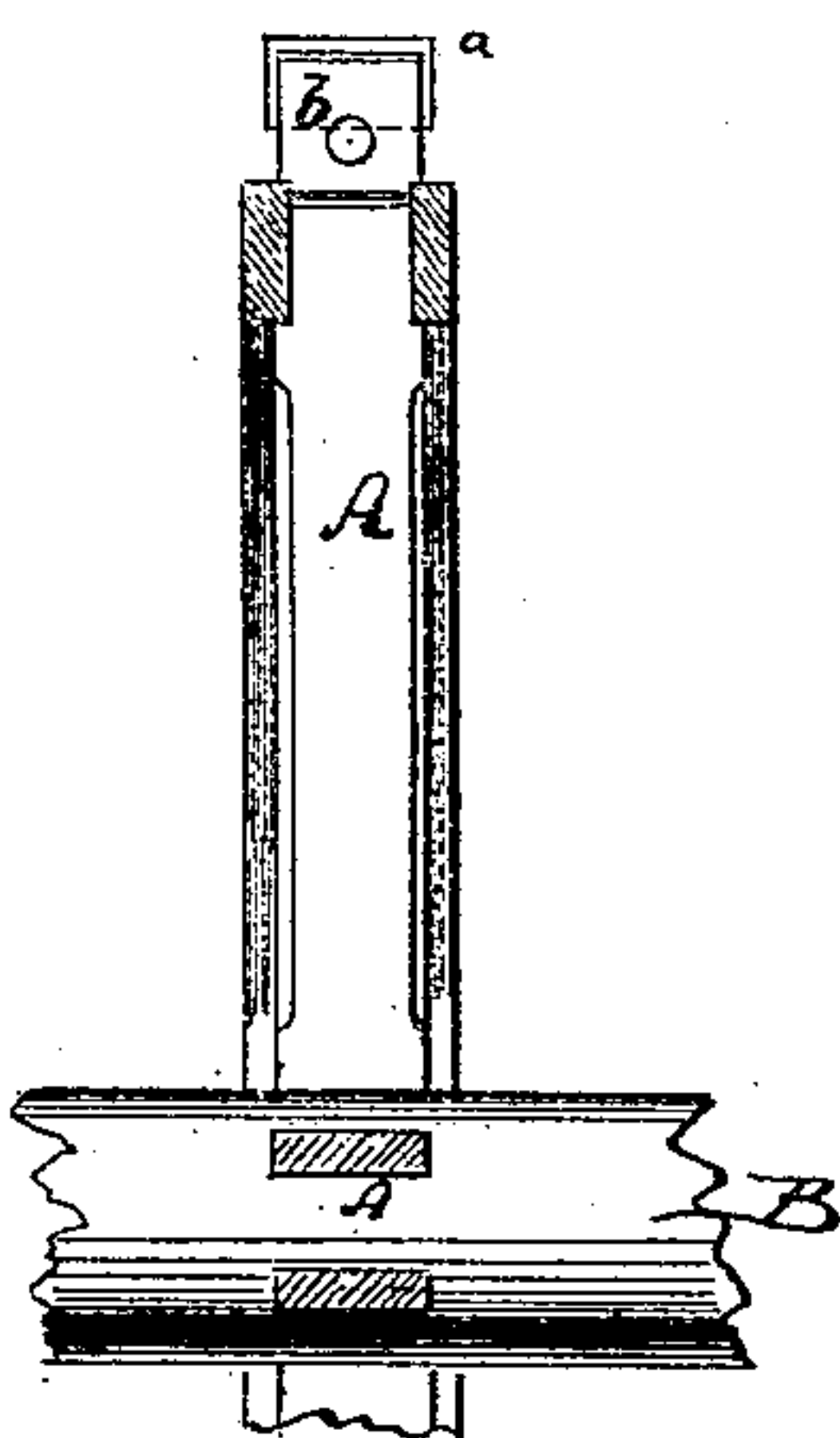


Fig 2.



Witnesses:

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ARCHIBALD W. REID, OF SCHENECTADY, NEW YORK, ASSIGNOR TO
HIMSELF AND WILLIAM H. RUGG, OF SAME PLACE.

Letters Patent No. 101,508, dated April 5, 1870.

IMPROVEMENT IN MACHINES FOR SCOURING AND SETTING OUT LEATHER.

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, ARCHIBALD W. REID, of Schenectady, in the county of Schenectady and State of New York, have invented a new and improved Leather-scouring and Setting-Machine; and I do declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

Figure 1 represents a side elevation partly in section of my improved leather-scouring and setting machine.

Figure 2 is a detail vertical section of the scouring-wheel.

Similar letters of reference indicate corresponding parts.

This invention relates to a new machine for "scouring" and "setting" leather with greater rapidity and on a more economical plan than was heretofore in use.

At present most hides are "scoured" and "set" by hand, whereby the process becomes both slow and expensive.

My invention consists in securing the "scouring" or "setting" tools *a*, whether they be made of metal, stone, glass, or other suitable material, to arms *b b*, that project from—or otherwise to—the rim or edge of a wheel or disk, *A*, the said wheel or disk being hung on a shaft, *B*, as shown.

The shaft *B* has its bearings in a frame, *C*.

The leather to be scoured or set is placed against

the concave face of a fixed support, *D*, in which there is an adjustable portion, *E*.

This portion *E* is in line with the edge of the wheel *A*, and is provided with a projecting shank, *c*, which is connected with a crank-lever, *F*, or other equivalent apparatus, whereby it can be moved toward or away from the wheel.

A spring, *d*, serves to withdraw the concave *E* from the wheel *A* when the power is removed from the handle *F*.

The hide is placed upon the support *D*, and the part *E* is then forced toward the wheel; that part of the hide which is on *E* will be thoroughly "scoured," and at the subsequent process "set" by the action of the rotary scrapers.

The shank *c* contains a rubber cushion, *e*, which permits the part *E* to yield when thicker portions of the hide are brought under the action of the tools *a*.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The "scouring" and "setting" tools set into the edge or rim of a rotating disk or wheel, as set forth, to operate as specified.

2. The sliding support *E*, connected with the levers *F* and springs *d e*, to operate in conjunction with the rotary scourer, as set forth.

ARCHIBALD W. REID.

Witnesses:

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