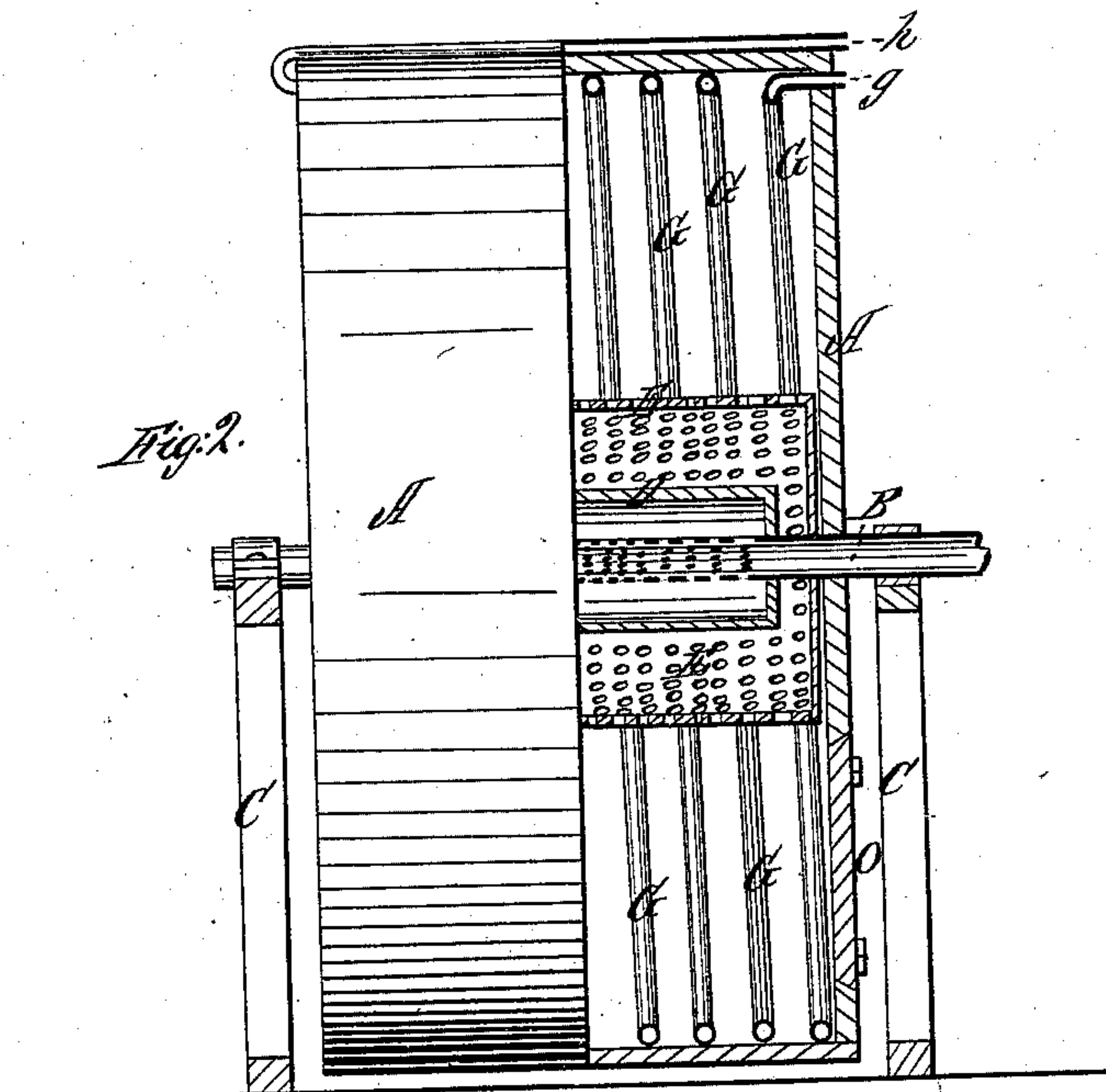
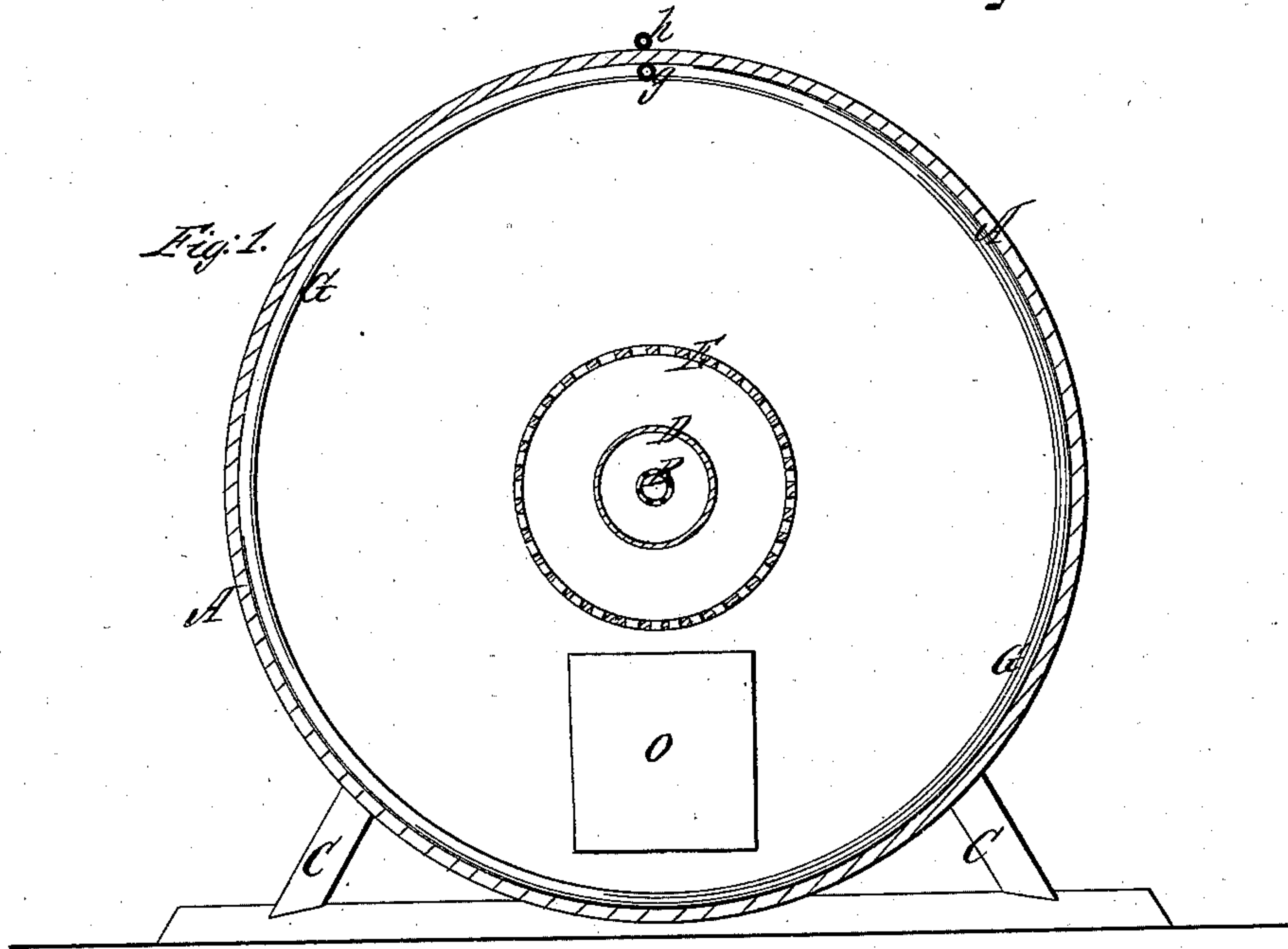


F. Carl,
Dressing Leather,
No. 63,856,
Patented Apr. 16, 1867.



Witnesses.
J. H. Adams,
David H. Miller.

Inventor.
Fredrick Carl

United States Patent Office.

FREDERIC CARL, OF CHARLESTOWN, MASSACHUSETTS.

Letters Patent No. 63,856, dated April 16, 1867.

IMPROVED MACHINE FOR STUFFING AND CURRYING LEATHER.

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

Be it known that I, FREDERIC CARL, of Charlestown, in the county of Middlesex, and State of Massachusetts, have invented a new and useful Improvement in Machines for Currying and Stuffing Leather, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a vertical longitudinal section of my improved machine; and

Figure 2 is partly a transverse section, and partly an end elevation of the same.

My invention consists in heating the cylinder or drum, in which the leather is placed for stuffing, by means of steam which is introduced in the said cylinder through a hollow shaft enclosed within a perforated cylindrical cage supported upon the shaft, by which a continuous heat is supplied, which may be regulated at pleasure; and the invention also consists in arranging upon the inner periphery of the cylinder or drum a coil of pipe, through which steam may be passed to heat the said cylinder previous to placing the leather therein to be operated upon.

The usual method of stuffing leather consists in first admitting steam into the cylinder, by which the latter is heated, when the steam is allowed to escape into the room, or is conducted off, and the leather, with the oil or grease, is then placed in the drum or cylinder, and the latter is rotated.

Referring to the drawings, A represents a drum or cylinder, of any suitable dimensions, and having an opening, O, for the insertion of the leather to be treated. B represents a tube, supported in bearings upon any suitable frame, and serves as a shaft or axis for the cylinder A. The central portion of the shaft B is represented as perforated, and over this perforated portion is fitted a steam-tight drum, D, into which the steam passes. The drum D, however, may form a part of the shaft B, and the portion of the shaft within the drum D be dispensed with, thus forming a steam chamber. Surrounding the shaft B, and placed loosely on the same, is a perforated cage, E, made preferably of wood, and of considerably larger diameter than the drum D, or enlarged portion of the shaft B. The object of the said cage is to prevent the leather from coming in immediate contact with the heated shaft or drum D while the cylinder A is rotated, and yet allow the heated air to pass out into the said cylinder, and thus the leather is subjected to a continuous dry heat. On the inner periphery of the cylinder A is arranged a tube or pipe, G, which may consist of any desirable number of coils, having an inlet, *g*, for the admission of steam, and an outlet, *h*, which may be attached as occasion requires to pipes for conducting and carrying off the steam. Steam is introduced into the said coil of pipe G when the cylinder A is at rest. The pipe G is designed as an auxiliary heater, when a greater or quicker heat is wanted than can be furnished by the shaft B D. A covering of wood or other suitable material is to be placed over the pipe G, in order to prevent the leather from coming in contact with the latter. Steam is introduced to the shaft B by means of a pipe communicating with a boiler, and conducted off from the opposite end in any suitable manner. The leather to be treated is then placed in the cylinder together with the oil or grease, when the cylinder is rotated, and the operation of "stuffing" is expeditiously and effectually performed.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the rotating cylinder A, the shaft B D, and perforated cage E, or its equivalent, as and for the purpose described.

2. The combination of the cylinder A and coiled pipe G, as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FREDERIC CARL.

Witnesses:

J. H. ADAMS,
H. C. RAND.