No. 625,784. Patented May 30, 1899.

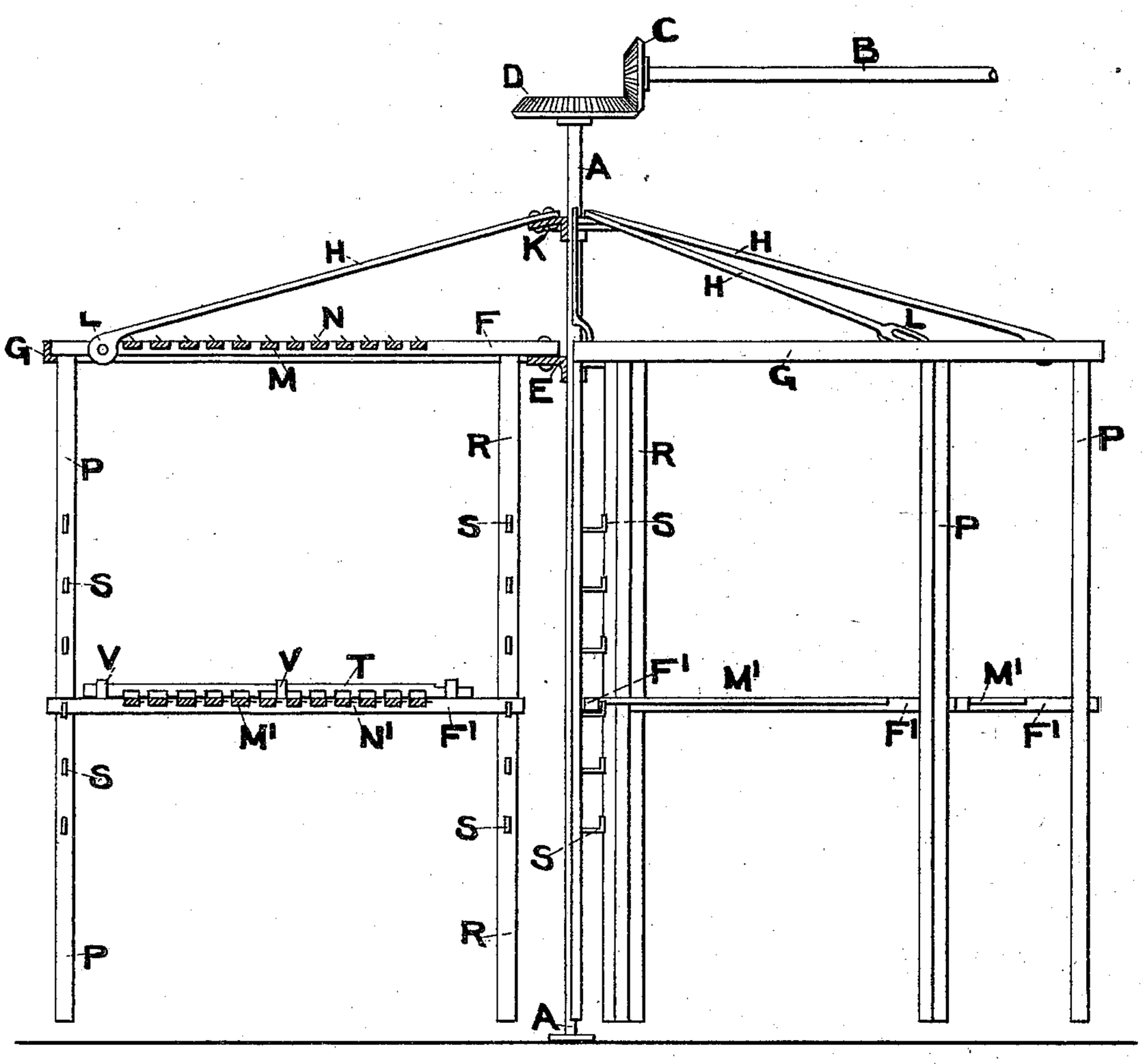
R. MOHUN.

APPARATUS FOR DRYING LEATHER.

(Application filed Feb. 20, 1899.)

(No Model.) 2 Sheets—Sheet 1.

FIG. 1.



Witnesses
John R. Walsh
A. Bennett

Inventor
Rowland Mohun

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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FIG. 2.

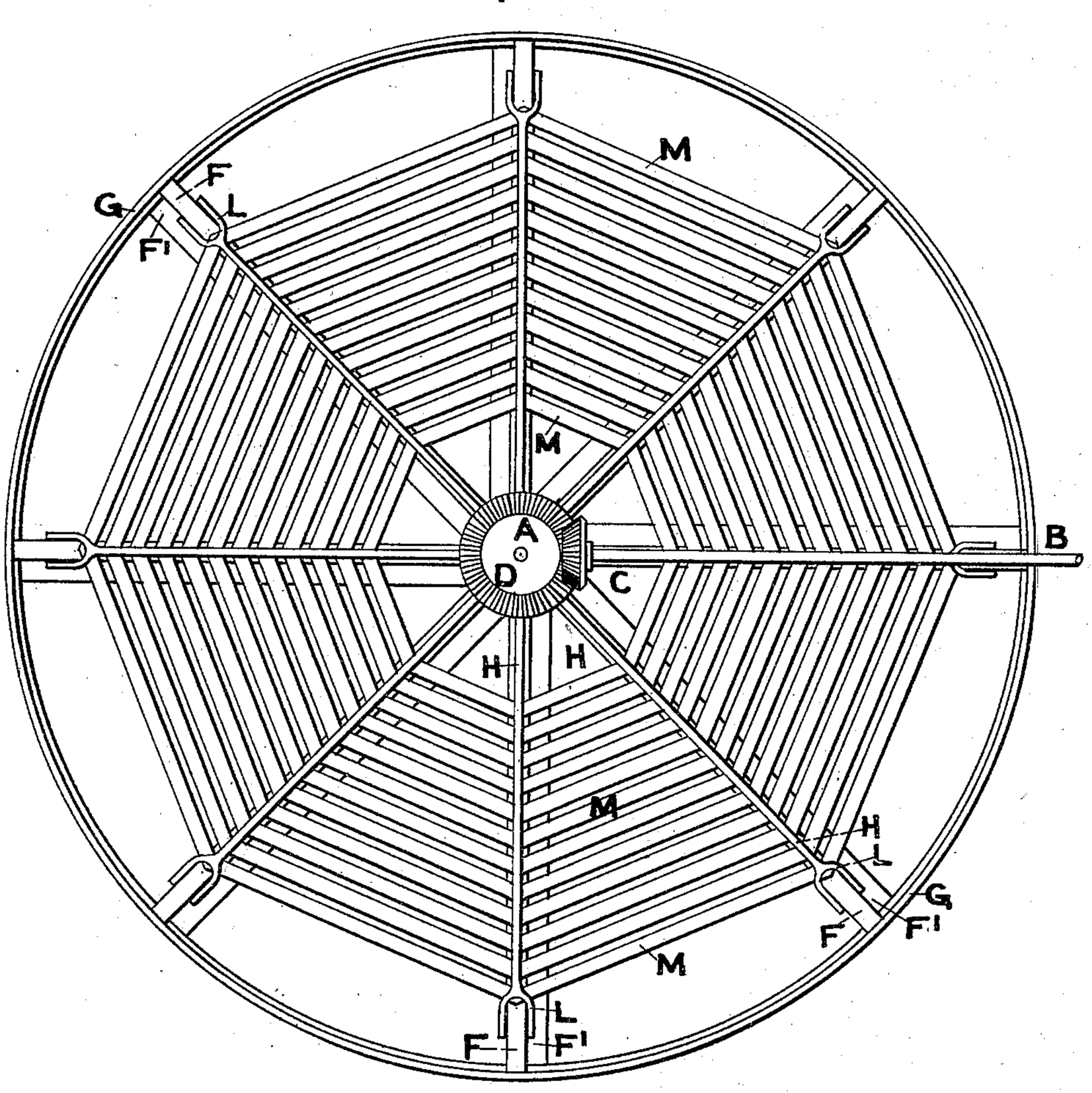
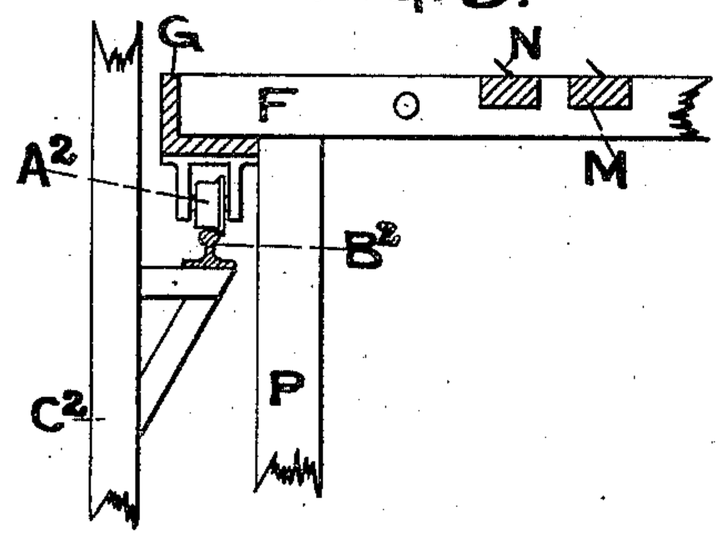


FIG. 3.



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UNITED STATES PATENT OFFICE.

ROWLAND MOHUN, OF LEEDS, ENGLAND.

APPARATUS FOR DRYING LEATHER.

SPECIFICATION forming part of Letters Patent No. 625,784, dated May 30, 1899.

Application filed February 20, 1899. Serial No. 706,172. (No model.)

To all whom it may concern:

Be it known that I, ROWLAND MOHUN, a subject of the Queen of Great Britain, residing at Burley, Leeds, in the county of York, England, have invented new and useful Improvements in Methods of and Apparatus for Drying Leather, of which the following is a specification.

My invention relates to the drying of leather after the tanning or stuffing process, the object being to reduce to a minimum the time required for such drying process. The method I adopt is to revolve the hides while suspended from or attached to a suitable frame within a suitable hot-air chamber.

Figure 1 is an elevation of the apparatus employed, one-half being shown in section. Fig. 2 is a plan of Fig. 1. Fig. 3 is an enlarged view showing a modification of the means for supporting the apparatus.

In constructing my revolving drying-frame I employ a main shaft A, mounted vertically in suitable bearings and driven, preferably, from a shaft B by means of bevel-wheels C and D. The said vertical shaft A has a fixed collar E, to which are attached a series of horizontal radial arms F, which are inclosed within a metal hoop or ring G and are supported at their outer ends by connecting-arms H. The said connecting-arms H are bolted to a dished collar K on the shaft A and are preferably forked at their outer ends L. The radial arms F are recessed at suitable intervals to receive a series of detachable bars M, which are provided with projecting pins or hooks N, from which the leather to be dried may be suspended. To the outer and inner ends of each of the said radial arms F are attached vertical bars P R, having hooks S or other equivalent device for supporting and adjusting a detachable radial arm F′. These detachable arms F′ are also recessed to receive a second series of detachable suspending-bars M′, having hooks N′.

Small hides may be suspended from the top bars M and attached at their lower ends to the corresponding lower bars M′ or to the radial arms F′ by means of suitable hooks. When larger hides are being treated, the lower frame may be removed.

If required, each of the radial arms F and F′ may be provided with a sliding locking-bar T, recessed on its under side to lock the suspending-bars M and M′ in position when the machine is working, the said bar having a limited longitudinal movement on the said arm (so as to release the bars) and working in guides V, as shown in the lower frame in Fig. 1, or within the forked end L of the connecting-arms H on the top frame.

The hot-air chamber in which the apparatus is inclosed is preferably constructed of corrugated iron, with suitable openings to allow a free circulation of air, the machine serving as its own fan.

The drying-frame may be constructed in various sizes to suit the class and amount of leather to be treated. In the accompanying drawings the frame is shown with eight radial arms F; but in larger machines twelve or sixteen may be employed with advantage.

In machines for heavier work the top frame may, if desired, be supported (see Fig. 3) by a series of runners or wheels A^2, fixed to the ring G and working on a circular rail or track B^2, which is mounted in any suitable manner, but preferably by a series of standards C^2.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a drying-machine, the combination, with a revoluble main frame provided with members P and R each having projections arranged one above another, of removable suspending-frames provided with bars which rest on the said projections, substantially as set forth.

2. In a drying-machine, the combination, with a revoluble main frame provided with members P and R each having projections arranged one above another; of removable suspending-frames comprising bars which rest on the said projections, and cross-bars M′; and slidable notched bars for locking the said cross-bars in position, substantially as set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

ROWLAND MOHUN.

Witnesses:
JOHN E. WALSH,
A. BENNETT.