

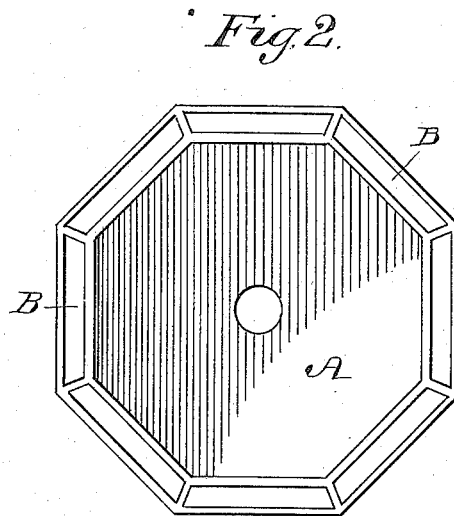
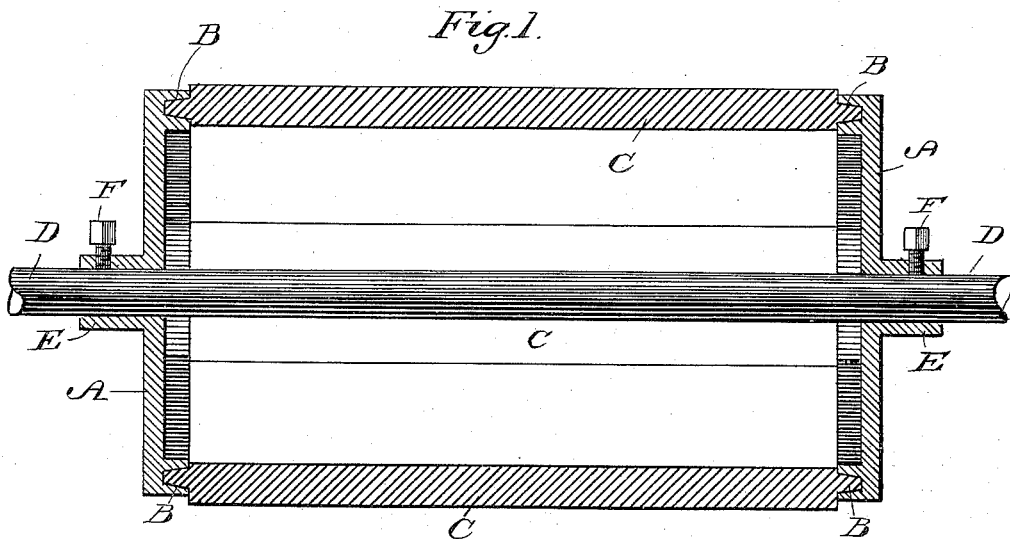
(No Model.)

C. H. REID.

DRUM OR ROLL FOR HAT SIZING MACHINES.

No. 344,680.

Patented June 29, 1886.



Witnesses
S. Williamson
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UNITED STATES PATENT OFFICE.

CHARLES H. REID, OF DANBURY, CONNECTICUT.

DRUM OR ROLL FOR HAT-SIZING MACHINES.

SPECIFICATION forming part of Letters Patent No. 344,680, dated June 29, 1886.

Application filed August 14, 1885. Serial No. 174,391. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. REID, a citizen of the United States, residing at Danbury, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Drums or Rolls for Hat-Sizing Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain novel and useful improvements in the construction of rolls or drums for hat-sizing machines, and has for its object to provide an economical device of this description which shall be exceedingly light and especially adapted for the sizing-surfaces, and which may be readily taken to pieces and lengthened or shortened, if desired; and with these ends in view my invention consists in certain details of construction and combination of elements hereinafter fully described, and then specifically designated by the claims.

In order that those skilled in the art to which my invention appertains may more fully understand the construction and operation of my improvement, I will proceed to describe the same in detail, referring by letter to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a central longitudinal section of a drum constructed and assembled in accordance with my invention, and Fig. 2 an elevation of the interior of one of the heads of the drum.

Similar letters denote like parts in both the figures of the drawings.

A are heads, which are preferably of cast metal, of octagonal or other convenient shape, and B are pockets in the inner peripheral face of the heads.

C are the sides of the drum, and they extend within opposite pockets in the heads.

D is the shaft, which extends through hubs E, formed with the heads, and F are set-screws passed through the hubs and adapted to bear against the shaft, and thereby establish a rigid connection between the shaft and heads.

If it is desired to alter the length of the drum, the sides are merely shortened or lengthened, as the case may require, and secured in position, as above described.

The form or shape of the drum is immaterial, and I do not wish to be confined in this respect.

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

1. As a new article of manufacture, a drum or roll for hat-sizing machines, consisting of two heads having pockets arranged peripherically within the interior of said heads, and sides detachably secured to the heads within opposite pockets, substantially as set forth.

2. The heads A, having pockets B in the inner peripheral face thereof, in combination with the sides C, extending within opposite pockets in said heads, the shaft D, passed through hubs formed with the heads, and set-screws F, adapted to be driven through the hubs and against the shaft, whereby the drum is firmly secured to said shaft, substantially as shown and described.

3. In a drum or roll for hat-sizers, the combination, with the heads provided with interior pockets and exterior hubs, of the sides extending within opposite pockets in the heads, and set-screws passed through the hubs, (or any suitable means of fastening,) whereby the drum is rigidly secured to a central shaft, substantially as set forth.

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

CHAS. H. REID.

Witnesses:

JAMES E. WALSH,
ELLA M. ROBINSON.