(No Model.)

F. W. COY.

ROLL FOR POLISHING MACHINES.

No. 352,227. Patented Nov. 9, 1886.

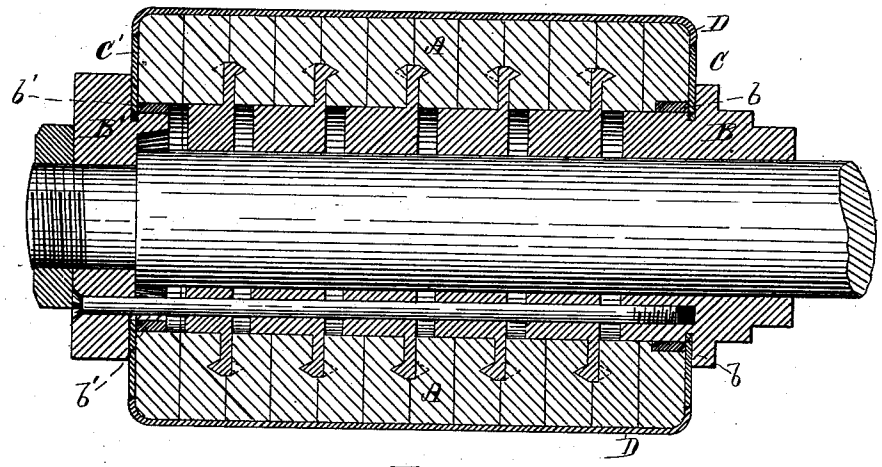


Fig. 1.

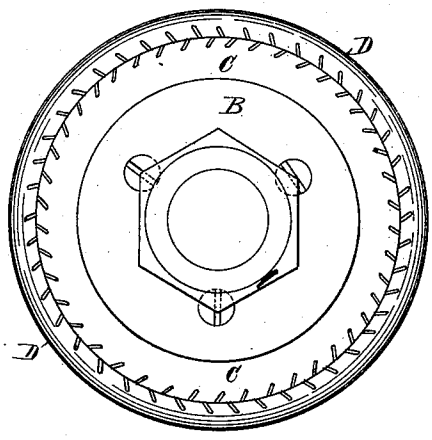


Fig. 2.

G. B. Maynadier
John R. Snow.

Frederick William Coy
by J. E. Maynadier
his attorneys

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

FREDERICK WILLIAM COY, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO GEORGE H. P. FLAGG, TRUSTEE, OF SAME PLACE.

ROLL FOR POLISHING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 352,227, dated November 9, 1886.

Application filed April 19, 1882. Serial No. 58,795. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK WILLIAM COY, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Rolls for Polishing-Machines, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal section, and Fig. 2 an end view, of a roll embodying my invention.

My invention is an improvement on the roll described in my Patent No. 247,171, granted September 20,1881; and it consists in a roll having a fibrous surface, in combination with an outer sheath or covering of leather, or the like.

In the drawings, the roll A consists of a series of felt disks arranged together and secured on a shaft or arbor, substantially as described in my patent above mentioned, together with the outer covering or sheath, D, of leather or like material, which is drawn over the roll of felt disks. The ends of sheath D are turned inwardly (see Fig. 1) and secured by stitches to the annular disks C C′, preferably of leather, which are held in place by rings *b b′*, tightly fitting the necks of metal disks B B′.

The object of my invention is to protect the fibrous surface of the roll from wear, and to prevent its fibers from being thrown out by centrifugal force when the roll is used.

In practical operation of the kind set forth in my patent above mentioned these rolls make over three thousand revolutions per minute, and have been found to be possessed of peculiar advantages; but I have found by practical use that rolls whose surfaces are of fibrous material last much longer when sheathed in leather or like material than when used without such covering, and at the same time work as well.

I am aware of Patents No. 517 (English) to Edwards, February 10, 1879; No. 1,544 (English) to Edwards, April 15, 1880; No. 95,265, April 28, 1869, to Randolph; No. 254,811, March 14, 1882, to Flagg; No. 85,538, January 5, 1869, to Sawyer, and disclaim all that is described in them.

What I claim is—

In combination with roll A, having a fibrous surface or cushion, sheath D and disks C C′, arranged and secured together, substantially as and for the purpose set forth.

FREDK. WILLIAM COY.

Witnesses:
WM. A. COPELAND,
J. R. SNOW.