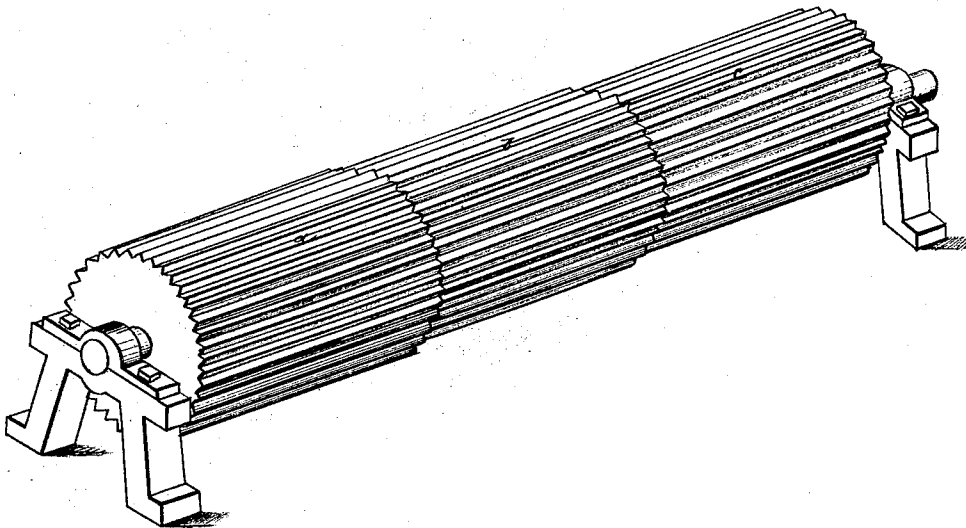


C. Gilpin,

Rolling Bark.

No. 109,199.

Patented Nov. 15, 1870.



Witnesses:

H. C. Smith
Wm. H. Howard

Inventor:

Chas. Gilpin.

PER

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Attorneys.

United States Patent Office.

CHARLES GILPIN, OF CUMBERLAND, MARYLAND.

Letters Patent No. 109,199, dated November 15, 1870.

IMPROVEMENT IN FEED-ROLLS FOR ROSSING-MACHINES.

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, CHARLES GILPIN, of Cumberland, in the county of Alleghany and State of Maryland, have invented a new and improved Feed-Cylinder for Rossing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which the figure is a perspective view.

This invention relates to a cylinder intended for tanners' use, in connection with a knife, in taking off the epidermis or "ross" from bark previous to grinding the same.

It consists of a cylinder divided into a number of lengths, all forming parts of the same piece, however, and all having different diameters, the lengths at one end having the greatest diameter, the next length less, the third less, and so on in a regularly-decreasing series to the opposite end and last length, which is of the least diameter, the object of this construction being to adapt the cylinder to pieces of bark of different thicknesses, so that the proper quantity of ross in each case may be taken off without changing the position of the knife.

Heretofore such cylinders have been made of uni-

form diameter, and it is the knife that has been raised or lowered to suit different thicknesses of bark.

My improvement dispenses entirely with the necessity of changing the position of the knife.

Referring to the drawing—

a , b , and c are the different lengths of the corrugated feed-cylinder.

The length a is of greater diameter than the length b , and the length b is of greater diameter than the length c . Hence, the length a is suited to the thinnest variety of bark, the length b to a thicker variety, and the length c to a still thicker one.

There may be as many different lengths, all verging in diameter, as desired, and, instead of having the lengths arranged in a regularly-decreasing series on the cylinder, they may be irregularly interspersed.

Having thus described my invention,

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

The feed-cylinder for a rossing-machine, having lengths of different diameters, substantially as described.

Witnesses:

H. B. BRUCE,
W. W. STRONG.

CHARLES GILPIN.