

C. N. PLANTRON.
Cylinder for Carding-Machine.

No. 166,407.

Patented Aug. 3, 1875.

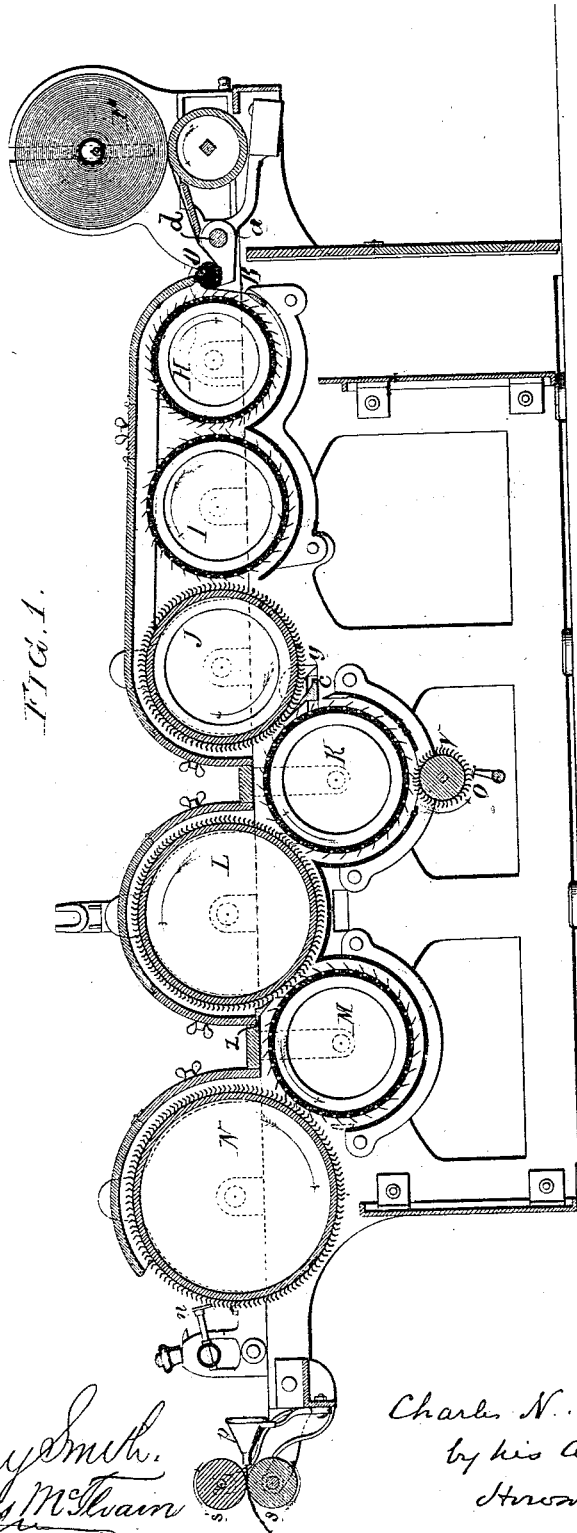
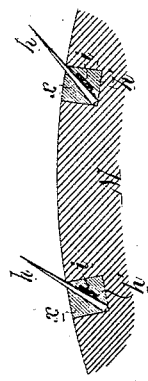


FIG. 2.



*Witnesses, Harry Smith,
 Thomas McSwain*

*Charles N. Plantron
 by his attor
 Hiram and son*

UNITED STATES PATENT OFFICE

CHARLES NICOLAS PLANTRON, OF ROUEN, FRANCE.

IMPROVEMENT IN CYLINDERS FOR CARDING-MACHINES.

Specification forming part of Letters Patent No. **166,407**, dated August 3, 1875; application filed December 26, 1874.

To all whom it may concern:

Be it known that I, CHARLES NICOLAS PLANTRON, of the city of Rouen, France, have invented an Improvement in Cylinders for Carding-Machines, of which the following is a specification:

My invention relates to that class of cylinders for carding-machines in which teeth are employed instead of the usual cards, and the object of my invention is to securely and firmly attach these teeth to the cylinder.

I prefer to arrange these cylinders in the carding-machine as shown in Figure 1 of the accompanying drawing, in which a series of cylinders, H, I, J, K, L, M, and N, revolve in the frame of the machine in the several directions pointed out by the arrows, the cylinder H receiving the lap from the roll F, and the cylinder N delivering the cleansed fibers to stripper *n* and funnel *p* at the opposite end of the machine.

The cylinders J, L, and N are furnished with the ordinary cards, but the cylinders H, I, K, and M have teeth *h* secured at the

proper angle in surface of each cylinder, as shown in Fig. 2.

Each row of teeth is first firmly attached to a plate, *i*, which is then placed diagonally in one of a number of longitudinal slots, *h'*, in the surface of the cylinders, so as to impart the proper inclination to them. The slot is then filled up with cement, *x*, which, when it has become hard, retains the teeth *h* firmly in place.

I claim as my invention—

The combination of the cylinder of a carding-machine, having slots *h*, with the plates *i*, provided with teeth *n*, and the cement *x*, whereby the slots about the plates are filled, and the latter secured in position, substantially as described.

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

CHARLES NICOLAS PLANTRON.

Witnesses:

A. MOREL,

G. HANOY.