

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

No. 166,407.

Patented Aug. 3, 1875.

FIG. 2.

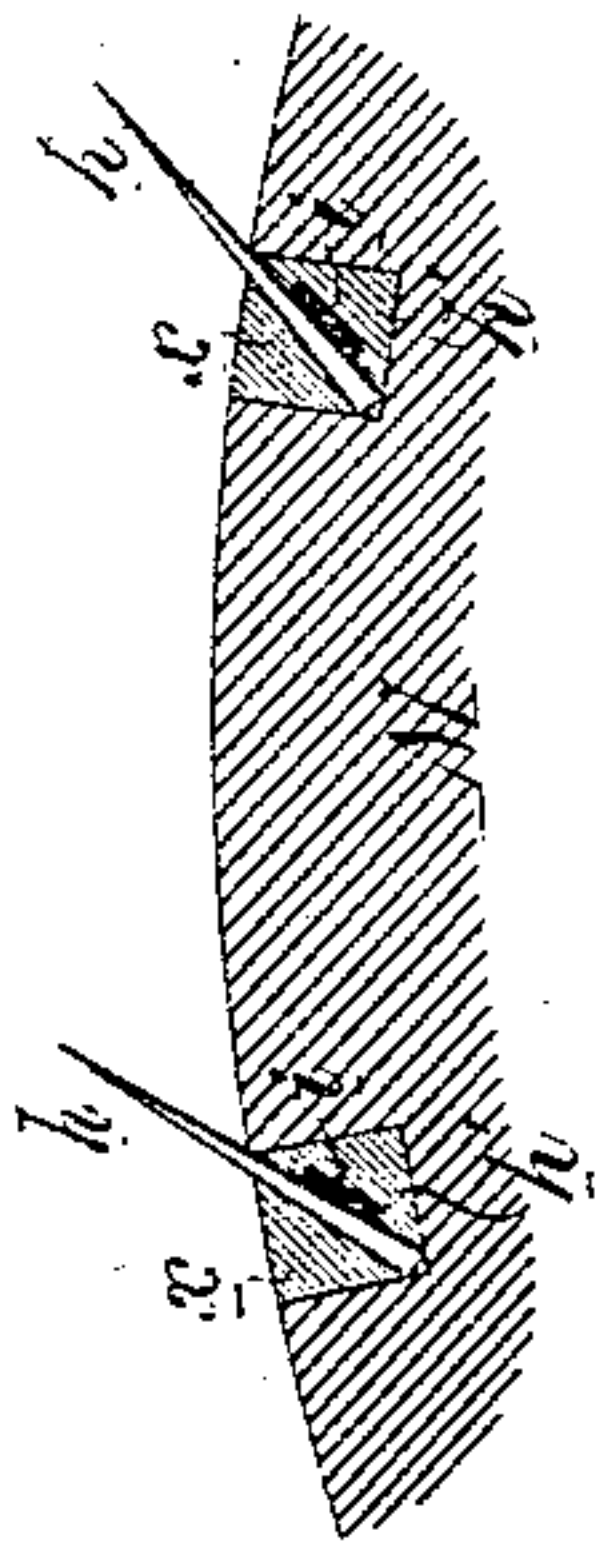
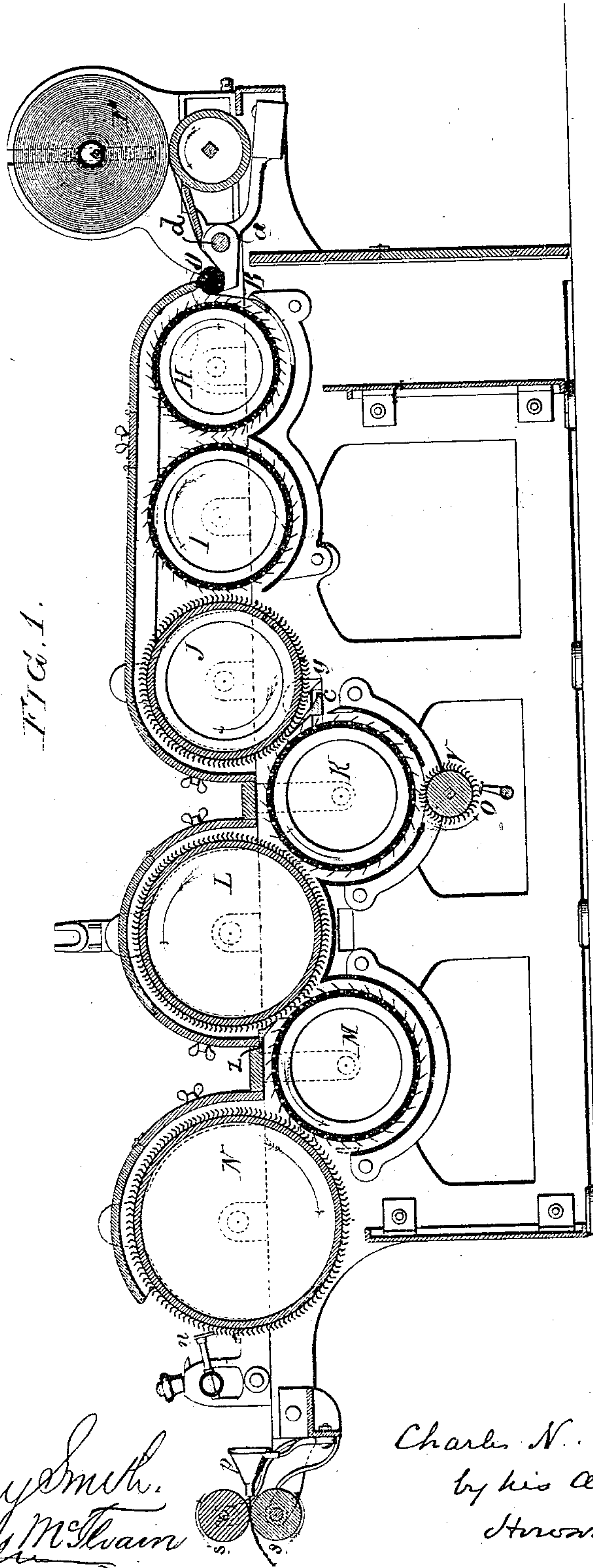


FIG. 1.



Witnesses, Harry Smith.
Thomas McQuinn

Charles N. Plantron
by his attor.
H. Brown 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.