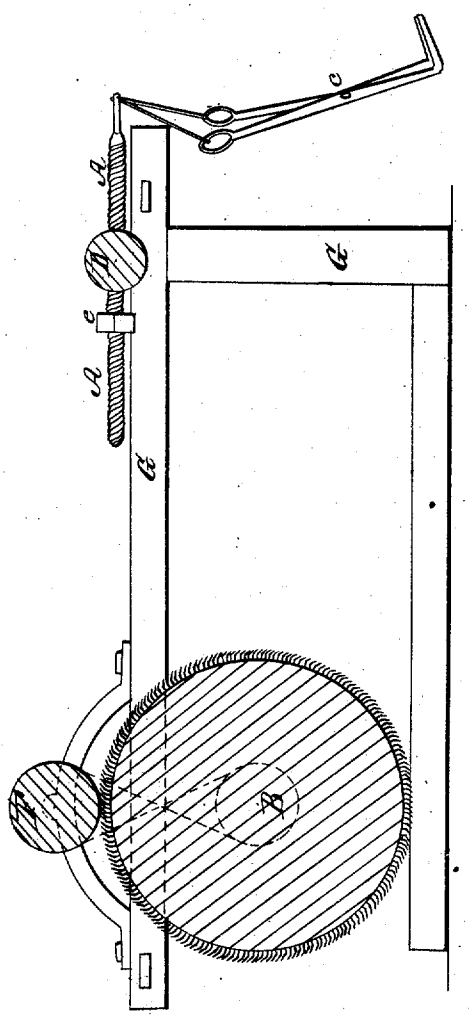
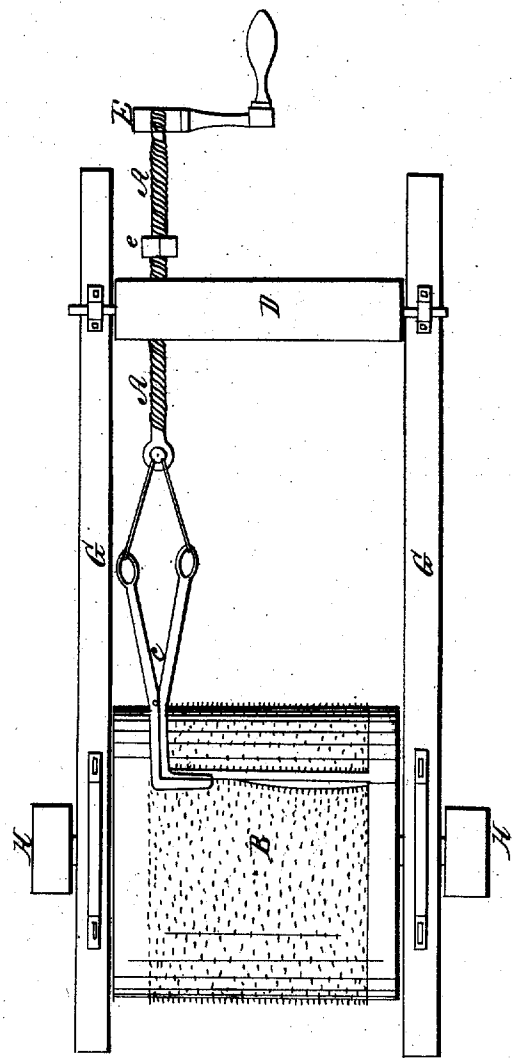
1482X

J Boynton,

Card-Grinding Machine.

Patented Mar. 30, 1811.





N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

Mr. Argyle's

Lately Patented

1482X

The Schedule referred to in Mr. Argyle's Patent dated January 5th 1857 for improvements in machinery for shearing and gauging cards.

The principle difference between Mr. Argyle's and other machinery for shearing and gauging cards which he claims as original and peculiar to his invention is in the formation of the cylinders for shearing and gauging cards with.

1st The cylinders or knives are made of iron or steel of about the length and size above mentioned and to shear cards by hand are fastened in the usual form except the four last which have not been used by Mr. Argyle, to save the cards first marked on to a cylinder from damage when shearing and marking on the back.

The knives for the cylinders are by hooks or links connected to a barrel which goes through a mortice made of equal length of the cards to be sheared through a cylinder of iron which is fastened at each end in a sitting position or in the frame in which the cylinders are placed to be clothed with cards. A crank is used with a screw end or of a screw on to the end on the side of the frame opposite to the cylinder which turns both of the cards and the crank or wheel may be known more or less at pleasure. 3rd The cylinder for gauging cards is nine inches in diameter but may be made of larger size is about six inches longer than the cylinder on which the cards are to be ground in order to receive bands on both ends of it to give motion to that and other cylinders leaving cards on them to be ground. 4th The cylinders is to be covered over or clothed with a coat of canvas cemented and fixed on the machine for such purpose as when the cylinder with cards lately on the frame of the card both ends are taken off and

a ☞ The cavity system for cooling of molding type bearings may
[illegible] in large tubes on the end of the main cylinder and may
be moved to other [illegible] of bearing. A similar method
[illegible] of cooling bearings with a series of grooving them with
a cylinder different from any other method heretofore used or known
to

Witness
Reginald Parish
Witness to Mark

Mike Begnor

Copy.

Engrs, Mach. Bearings 532

1482X