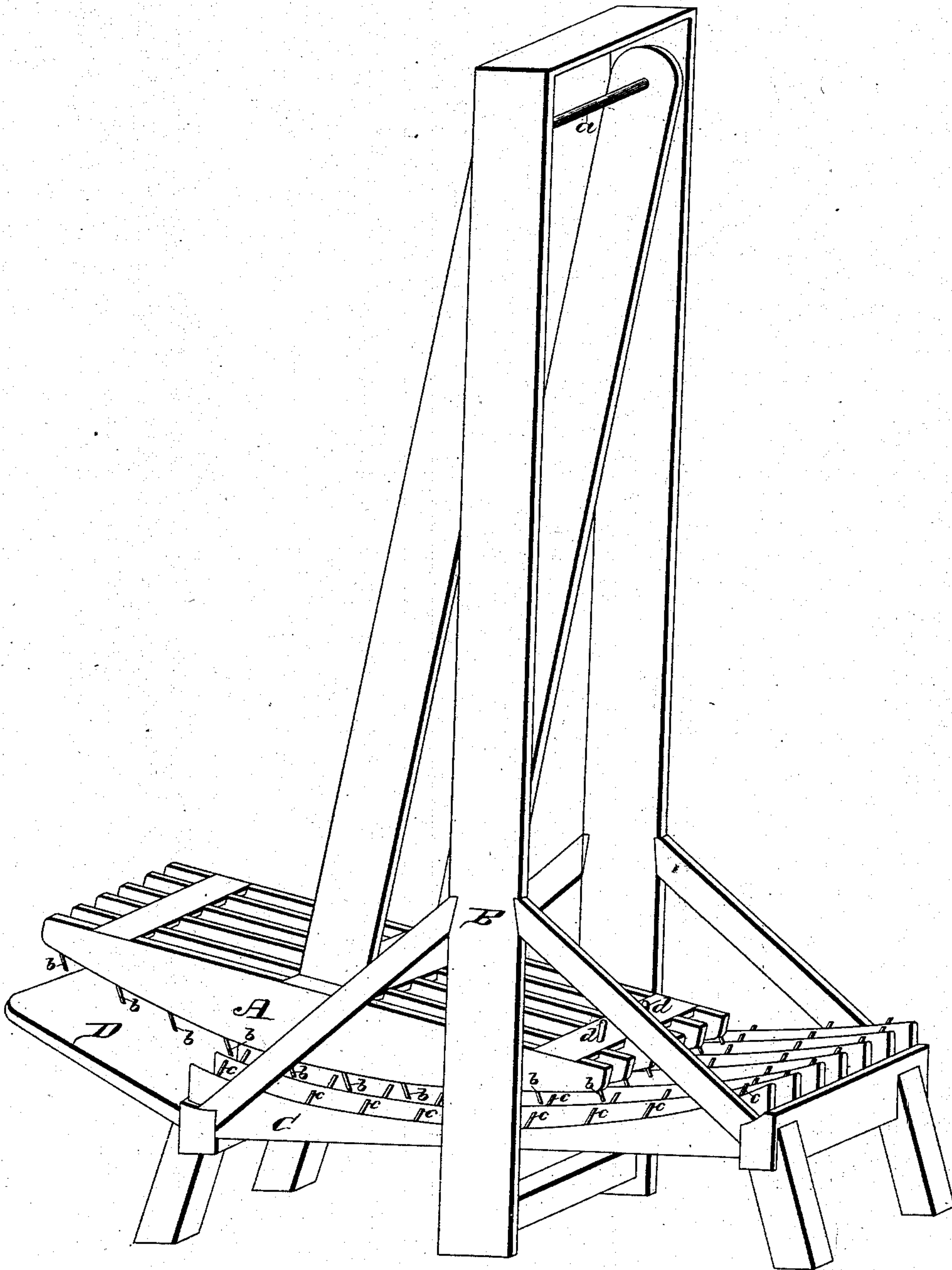


H. HULL,

Machine For Cleaning Moss.

No. 66,026.

Patented June 25, 1867.



Witnesses:

Rufus R. Rhodes
Jos. L. A. Edwards

Inventor
H. Hull

United States Patent Office.

HENRY HULL, OF PATTERSONVILLE, LOUISIANA.

Letters Patent No. 66,026, dated June 25, 1867.

IMPROVEMENT IN MACHINE FOR CLEANING MOSS.

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, HENRY HULL, of Pattersonville, parish of St. Mary's, and State of Louisiana, have made certain new and useful improvements in Moss-Carding Machines; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification.

My invention consists of the combination of an upper convex swinging or vibrating card, with a lower or inferior fixed or stationary concave card, when the teeth of both said upper and lower cards project at a small angle with reference to the axis of the upper card, and in the same direction, and are so placed that in the operation of the machine there can be no contact between them.

On the drawings, A is the upper vibrating card, supported by frame B, and having its axis at *a*. In this card the teeth, it will be seen, project towards the right. C is the fixed concave card, which is permanently secured to frame B. The teeth *c* of this card also project toward the right, and at the same angle as the teeth on the upper card. The machine delineated upon the drawings is a hand machine, requiring two laborers efficiently to work it; one to give it motion, the other to feed it. At proper intervals these laborers alternate with one another, in order that the one who operates the machine may not be tasked too severely. The handles *d* enable the operator to give motion to the upper card A.

In the operation of the machine an armful of moss is thrown on apron D by one attendant, whilst the other rapidly vibrates the upper card A by means of the handles *d*. The teeth in the upper card pointing from the apron D, pass through the moss lying thereupon without removing it, as the card swings over the apron, and on that very account on the return swing they catch among its fibres and force it upon and over card C until it reaches the end of the same, where it falls off, completely cleaned and ready for use. As soon as card A swings off apron D, a fresh supply of moss is thrown upon the latter, and so on at every vibration of card A. If any moss clings to the teeth of the upper card, the teeth of card C remove it, as the former swings again towards apron D, and in the return vibration it is swept off and deposited at the end of the machine. The dirt and trash fall through card C as fast as the moss is freed of it. I have found by experience that this simple machine, worked by two men, will clean as much moss as eight men by the ordinary process that is practised in this part of the country, and in a far more thorough and complete manner. If it be desired to have a larger machine than can be worked by hand, nothing is easier than to make such an adaptation of proper gearing as will permit steam or other power to be applied without changing the principles of the hand-machine I have described in any particular.

Having thus described my invention, what I claim and desire to patent, is—

The vibrating convex card A, in combination with the fixed concave card C, when the teeth of both project in the same direction and at the same angle as described for the purpose set forth.

Witnesses:

RUFUS R. RHODES,
JOS. L. A. EDWARDS.

H. HULL.