

J. COLLINS, Jr.
MACHINE FOR CUTTING RAGS.

No. 74,506.

Patented Feb. 18, 1868.

Fig. 1

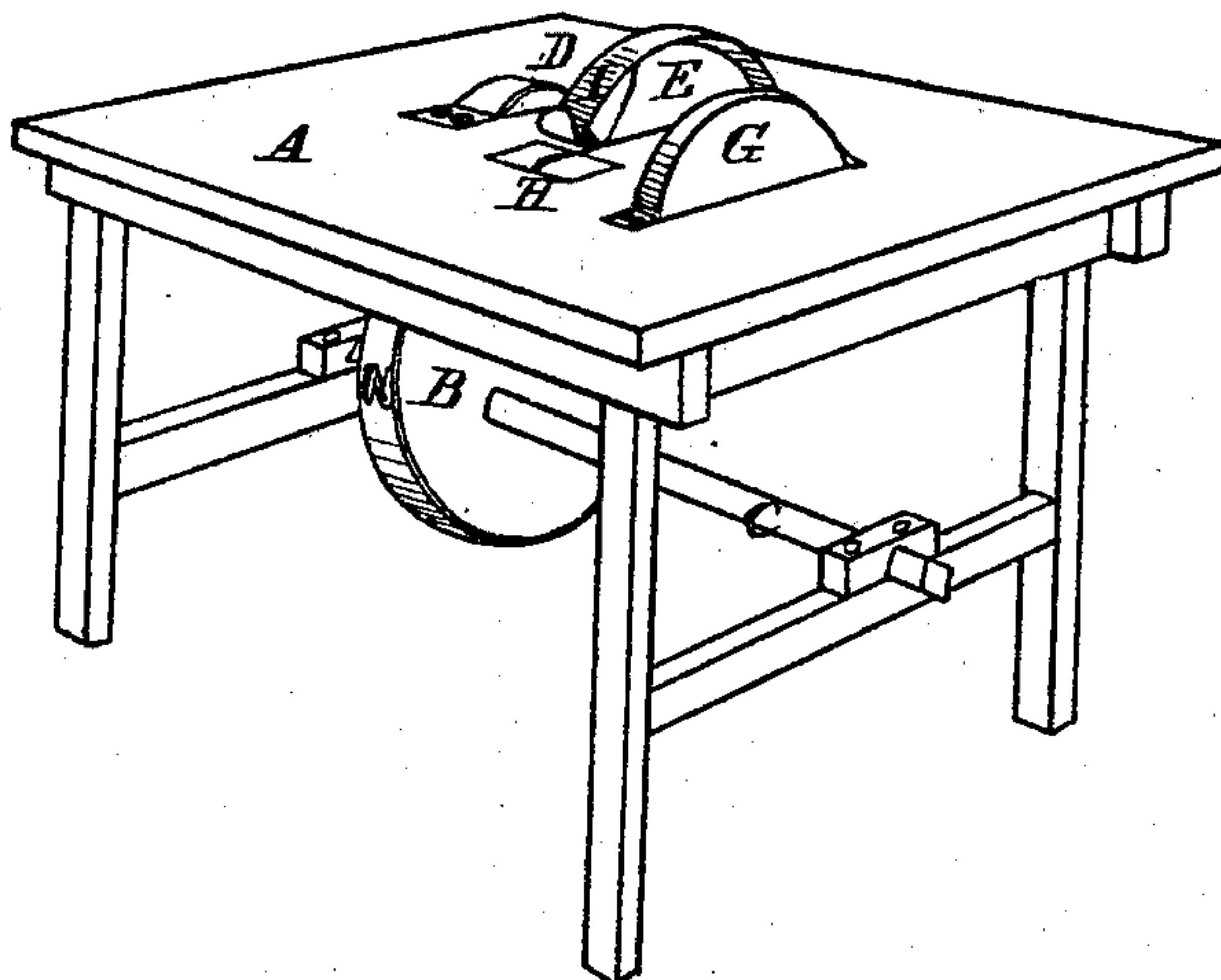
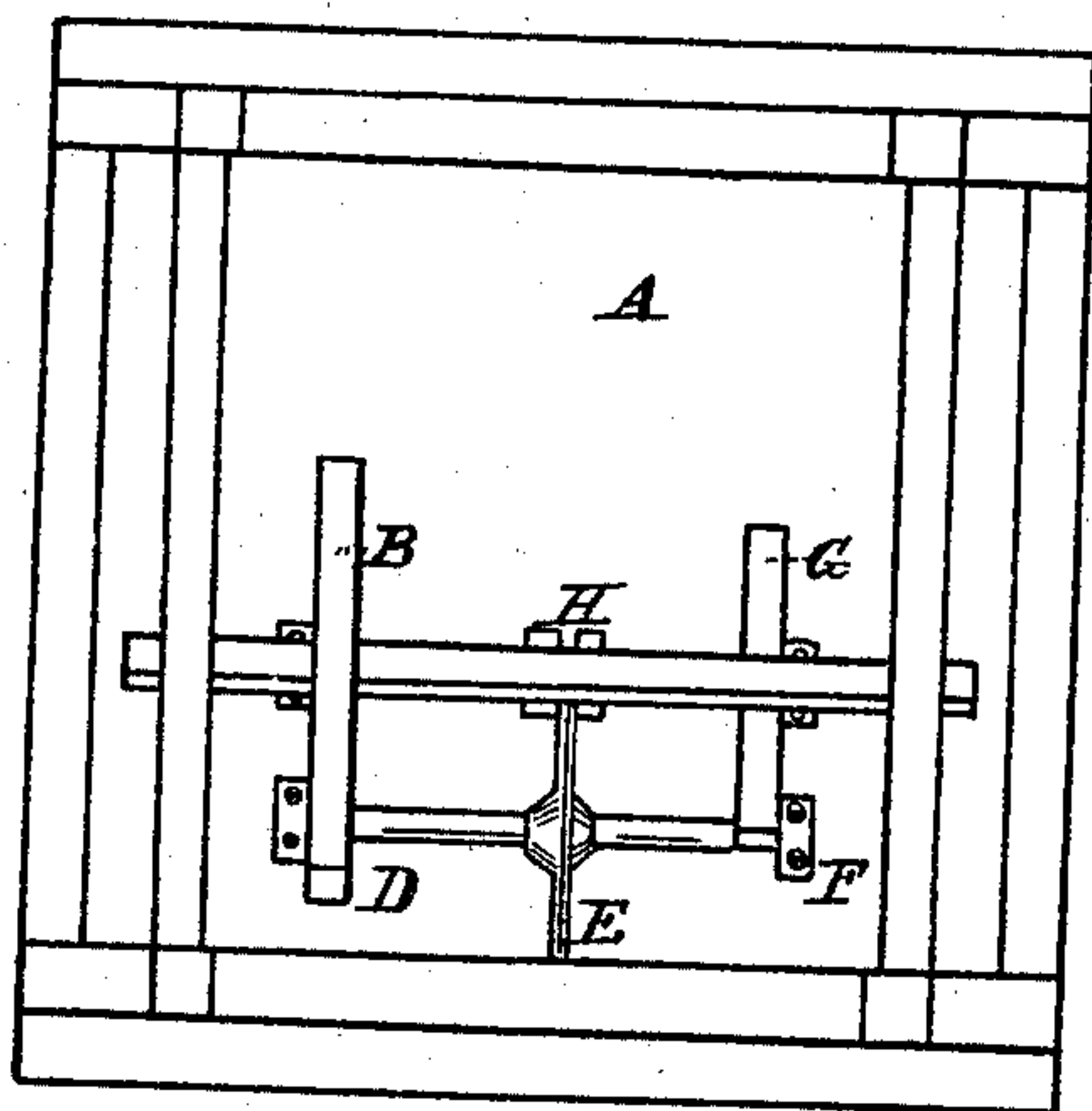


Fig. 2



Witnesses

J. P. Barnum
W. L. Childers

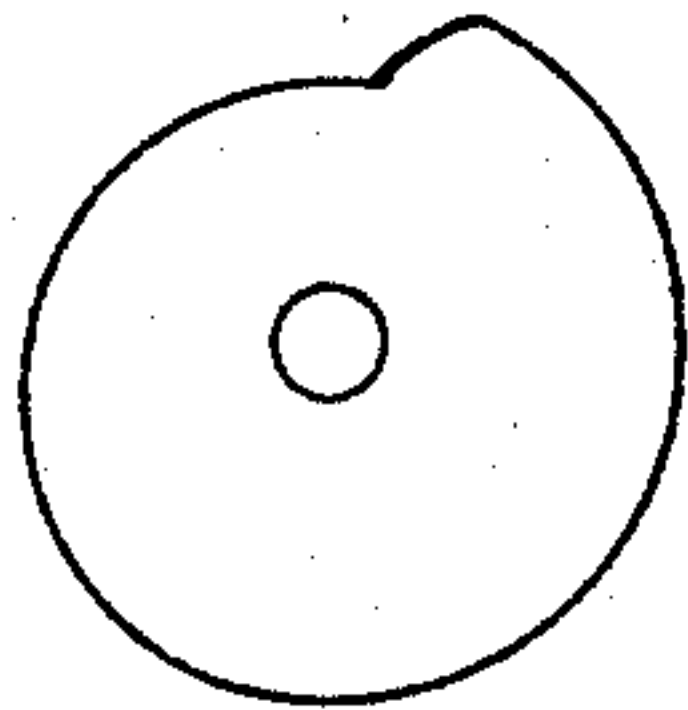


Fig. 3

Inventor

John Collins Jr

United States Patent Office.

JOHN COLLINS, JR., OF DETROIT, MICHIGAN.

Letters Patent No. 74,506, dated February 18, 1868.

IMPROVEMENT IN MACHINE FOR CUTTING RAGS.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, JOHN COLLINS, Jr., of Detroit, in the county of Wayne, and State of Michigan, have invented a new and useful Improvement in Machines for Cutting Rags; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and making a part of this specification.

The object of this invention is to improve upon machines already patented by me for a similar purpose.

In order that those skilled in the art may be able to construct my machine, I will now describe it.

A is a table, sustained by a proper frame, of sufficient strength to carry the working parts of the machine. B is a driving-pulley, placed upon a proper shaft, C, which gives motion by means of the belt to the small pulley, D, and its proper shaft, upon which is hung the revolving cutter E. The end of this shaft, upon which is hung the cutter E, is turned down at F, and drives as it revolves, by friction or otherwise, as may be most desirable, the wheel G, which is hung upon a proper shaft, upon which are placed the feed-rollers H. I is a spring-guard, which sets over the cutter, and presses the cloth to be operated upon against the feed-rollers, which may be made smooth or corrugated, as circumstances require, and is so constructed with a slot upon its under bearing-surface, that it holds the cloth until the cutter has done its work.

Figure 1 is a perspective view of my improvement.

Figure 2 is a view from the bottom of the same.

The same letters of reference indicate like parts in each figure.

Figure 3 is a side view of the revolving cutter, which is constructed in the shape of a thumb-nail, and can be sharpened at any time while in motion, and without being taken out.

The cloth to be operated upon has heretofore been drawn towards the operator by hand, requiring one hand on each side the cutter to guide and hold the cloth against the cutter. In this improvement I provide the feed-rollers, which carry, and the spring-guard, which holds the cloth, thus relieving one hand of the operator.

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

1. The spring-guard I, feed-roller H, and cutter E, combined and operating together substantially as described and for the purpose set forth.

2. The combination of the cutter E, spring-guard I, and feed-roller H, with the table A, the driving-wheel B, shaft C, pulley D, and wheel G, all constructed and operating substantially as and for the purpose described.

JOHN COLLINS, JR.

Witnesses:

THOS. S. SPRAGUE,

JAS. LAIDLAW.