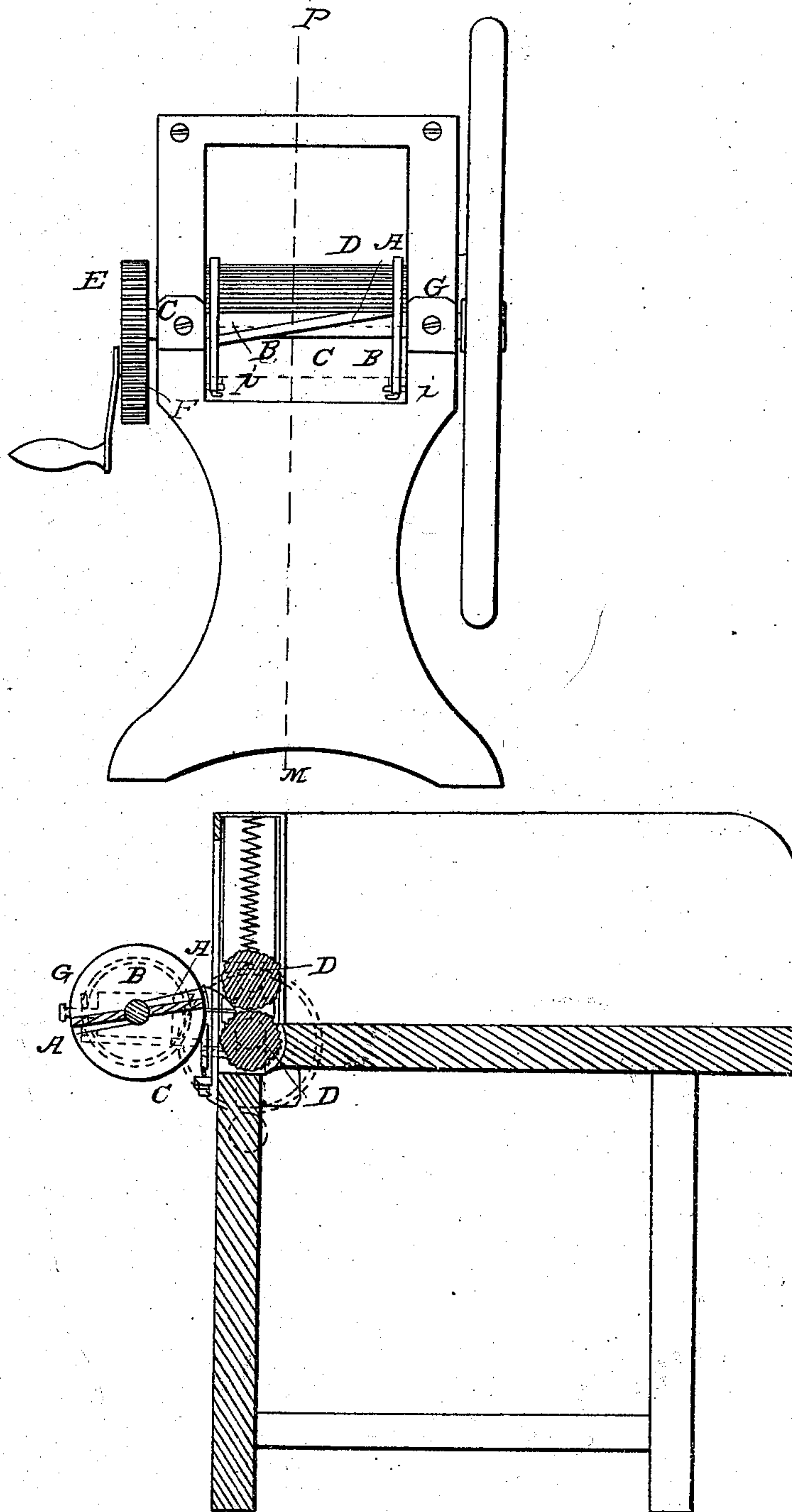


W. LACKEY.

Straw Cutter.

No. 12,683.

Patented April 10, 1855.



UNITED STATES PATENT OFFICE.

WALTER LACKEY, OF WORCESTER, MASSACHUSETTS.

STRAW-CUTTER.

Specification of Letters Patent No. 12,683, dated April 10, 1855.

To all whom it may concern:

Be it known that I, WALTER LACKEY, of the city and county of Worcester, State of Massachusetts, have invented a new and Improved Straw-Cutter; and I do hereby declare that the following is a full and exact description of the same, reference being had to the drawings herewith presented and to the letters of reference marked thereon.

10 My invention consists in arranging a flange or flanges A, A, on a shaft between two heads B, B, the edges of both to correspond with each other, and placing them so as to pass close by the stationary straight
15 knife, C, which is made with one flat side for them to work against, and furnished with set screws *i i* to adjust it when re-ground. Near the knife I put a pair of feed rolls D D which with the trough or box may
20 be of any of the usual forms which it is thought not necessary to describe minutely; the whole I arrange with a frame of convenient form to support the stationary knife C and the flange shaft with boxes adjustable as by the screws G, G, and connect
25 the flange shaft and feed rolls by the gear E and F, the relative size of which I vary according to length desired to be cut and on the end of flange shaft put a fly or balance wheel, the heads B B being set close to
30 the knife, as they can well turn and motion given to the machine so as to turn the flanges A, A, over toward the knife, the rolls feed in the material and push it beyond
35 the knife and the flanges being set oblique give a shearing cut. It is evident that the position and form of the parts may be much

varied as the knife may be placed above the material to be cut and the flanges revolve the other way and in the case of paper stock serve to dart or shake the dirt out. The heads B B enable the flanges to be readily set after grinding the knife, and prevent the possibility of their striking over and may be applied to those machines in
45 which the knives are attached to the revolving shaft and cut against a stationary knife or bed in place of knife C.

I do not claim the self feeding flanges working against a stationary knife as described by A. S. Macomber in his patent granted Nov. 5th, 1850, nor do I claim the particular form or arrangements of the parts; but

What I do claim as new and desire to secure by Letters Patent is—

1. I claim the use of the heads B, B, when made to correspond with the flange or flanges to facilitate the setting of them and prevent their striking over the stationary
60 knife or bed, as set forth. I claim the flanges in combination with the heads working against the stationary knife as above set forth.

2. I claim the combination of the flanges, heads, stationary knife and feed rolls as described or any other substantially the same.

In testimony whereof I this day set my hand in presence of

WALTER LACKEY.

Witnesses:

SALEM COPELAND,
JAS. G. ARNOLD.