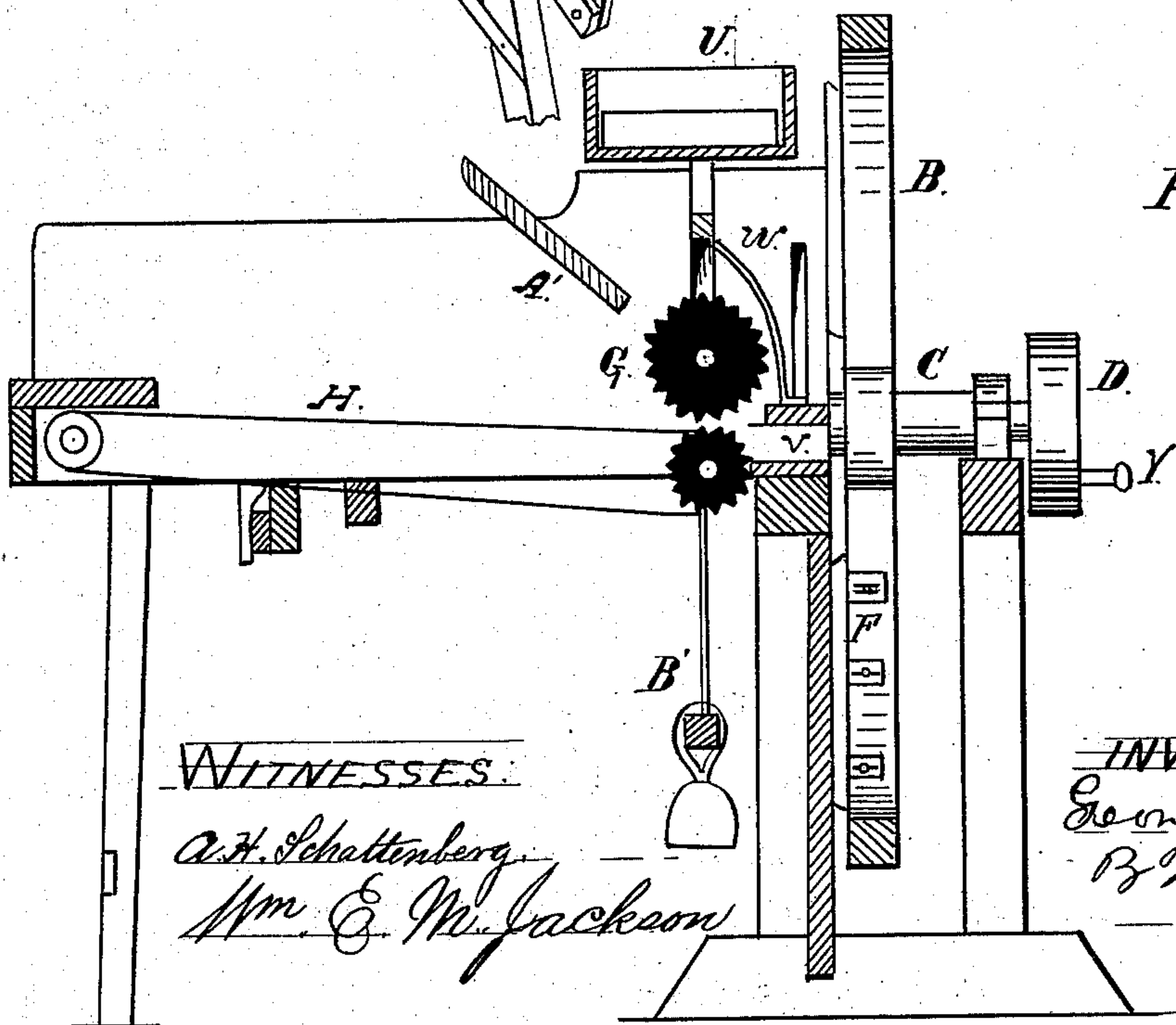
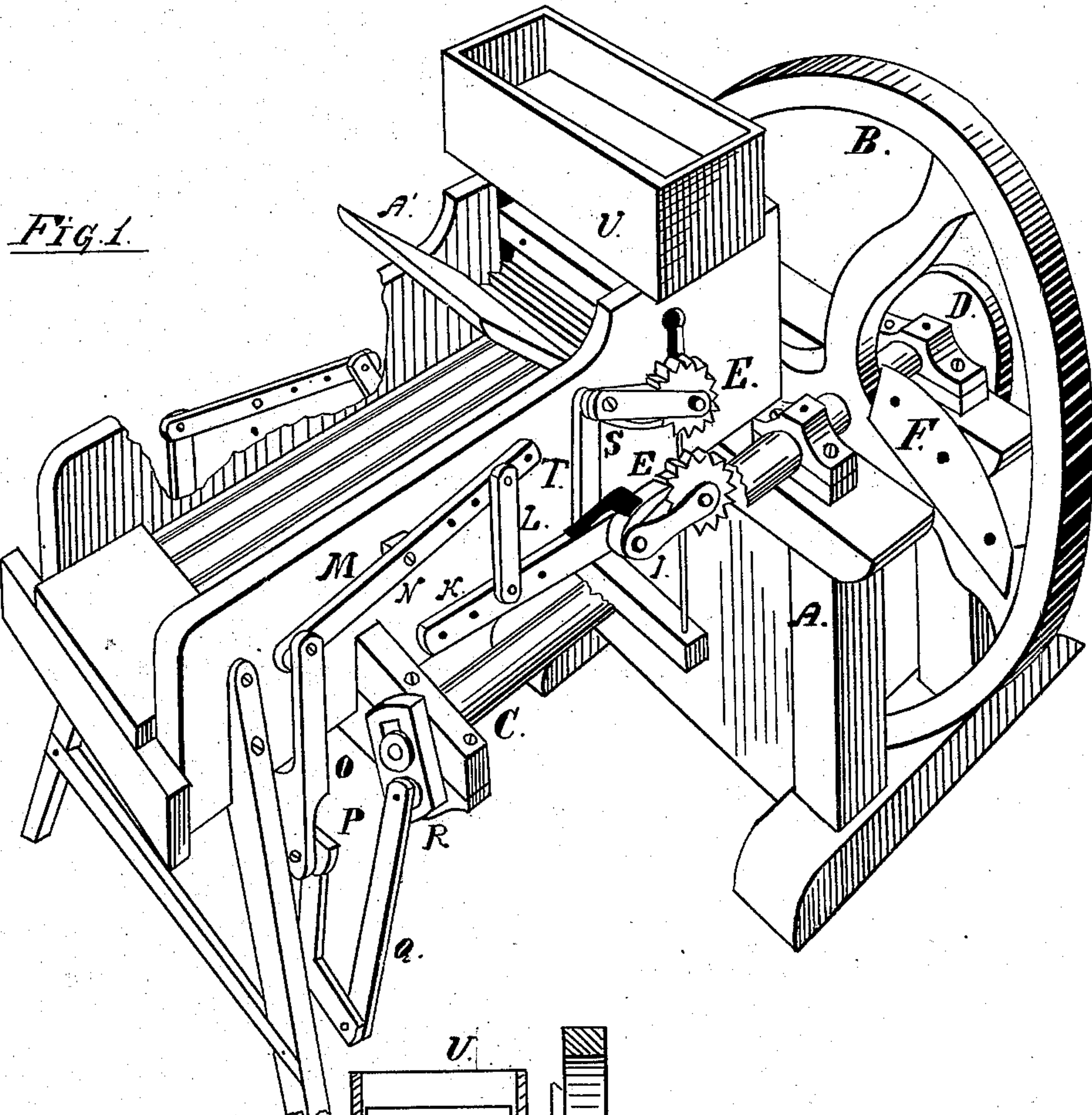


G. SCHMIDT.
Straw-Cutter.

No. 209,523.

Patented Oct. 29, 1878.



WITNESSES:

A. H. Schattenberg
Wm. E. Jackson

INVENTOR:
George Schmidt
By W. B. Smith
his atty

UNITED STATES PATENT OFFICE

GEORG SCHMIDT, OF WAUWATOSA, WISCONSIN.

IMPROVEMENT IN STRAW-CUTTERS.

Specification forming part of Letters Patent No. **209,523**, dated October 29, 1878; application filed April 22, 1878.

To all whom it may concern:

Be it known that I, GEORG SCHMIDT, of Wauwatosa, in the county of Milwaukee, in the State of Wisconsin, have invented certain Improvements in Straw-Cutters, of which the following is a specification:

The object of my invention is to facilitate the cutting of feed for cattle, and it is accomplished by a machine which has a peculiar feed, which will cut the article into long or short cuts. A more particular description will be given farther on.

Referring to the drawing, forming part of this specification, Figure 1 is a perspective view of my invention with part of the wheel-shaft and a part of the feed-box broken away, and Fig. 2 a longitudinal sectional view of the same.

In the drawing, A is the frame of the machine; B, a wheel with knives on it; C, the shaft of the cutting-wheel; D, a pulley on the shaft, over which a belt may be placed from a motor to run the machine, or it may be operated by the pins *y* by hand; E E, wheels with teeth on them for feeding the stuff to the knives; F, the knives, bent over and fastened to the arms of the wheel; G, a feed-wheel on the inside of the box on top of the belt; H, a belt on which the stuff to be cut is moved; I, pawl on the lower notched wheel, which moves the belt along; K, the arm which moves the pawl and keeps the belt moving; L, connections from arm K to lever M, which lever M is fastened by a pin, N, near its center, on which

it oscillates, and a connecting-rod, O, the upper end of which is connected to lever M, and connected at its lower end to a cross-bar, P, which operates similar levers, pawls, and notched wheels on the other side of the machine, and the cross-bar P, crooking down and connected to pitman Q at its lower end, and the upper end of pitman Q attached to crank R, attached to the end of shaft C, and pawl S on the upper roller E is attached to arm K by a pitman, T. The arm K and lever M have holes in them, by which the pitmen L and T may be changed, so as to give a longer or shorter feed.

U is a box setting above the feed-rollers, with weights in it, so that as the feed-rollers shove the stuff along toward the knives a platform, V, connected to the box U by rods W, presses the stuff to be cut between the feed-rollers and the knives; A', a board set in a slanting position for the stuff to be cut to run under and be held down in front of the upper feed-roller; B', a weight attached to a frame to hold down the upper feed-roller.

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

The combination, with the feed-rollers, of the levers M and K, connecting-link L, pawls I and S, and ratchet-wheels E, substantially as specified.

GEORG SCHMIDT.

Witnesses:

J. B. SMITH,
WM. JACKSON.