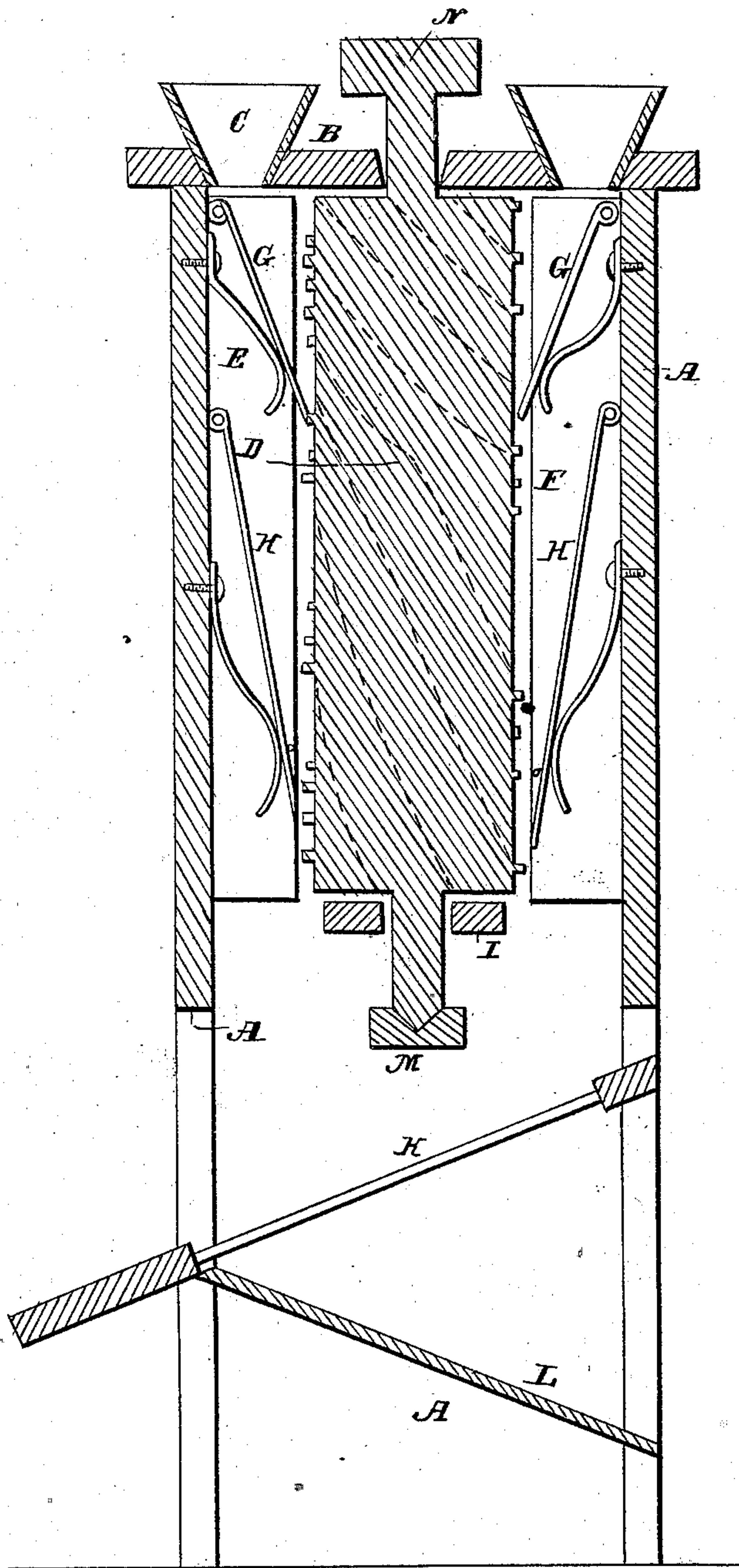


J. J. JOHNSTON.

Corn Sheller.

No. 15,765.

Patented Sept. 23, 1856.



# UNITED STATES PATENT OFFICE.

J. J. JOHNSTON, OF ALLEGHENY, PENNSYLVANIA.

CORN-SHELLER.

Specification of Letters Patent No. 15,765, dated September 23, 1856.

*To all whom it may concern:*

Be it known that I, JAMES JONES JOHNSTON, of Allegheny, Pennsylvania, have invented new and useful Improvements in Corn-Shellers; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawing, made part of this specification and lettered to correspond therewith, the figure being in central and vertical section.

The nature of the invention consists in a vertical drum armed with teeth, the upper two fifths (or thereabout) being of a pitch requiring half the cylinder to reach from top to bottom of the two fifths and six rows girding the whole cylinder or drum; the lower three fifths (or thereabout) being of a pitch requiring one-third the cylinder to reach from top to bottom of the three fifths and six rows girding the whole cylinder or drum, the two pitches being continuous or making one row of teeth from top to bottom of the entire cylinder.

(A) is the frame, inclosing the drum (D), and being only large enough to inclose also the necessary guide board (E) (F) and the spring press-plates (G) (H), bottom board

(I), screen (K) and delivering board (L); also the step-board (M) for the shaft of the drum at its lower end. The upper end of the shaft of the drum is armed with a driving pulley (N) or may be otherwise geared. The frame is closed in at top by a cover (B) carrying four funnel shaped hoppers (C).

The drawing being in central and vertical section only shows two hoppers and two sets of spring press-plates, (G) being the upper and (H) the lower set; there being a guide board on each side of each two sets (upper and lower) of spring-plates. The drum being also in section as above the dotted lines show the range and pitch of each set of teeth—a few teeth showing themselves on each side of the drum.

What I claim is—

The drum (D) with the two sets of teeth arranged as described, and its combination with the vertical guide-boards (E) (F) and spring plates (G) (H), substantially as set forth and for the purpose described.

JAMES J. JOHNSTON.

Attest:

ALEXANDER HAYS,  
ARTHUR HOBSON.