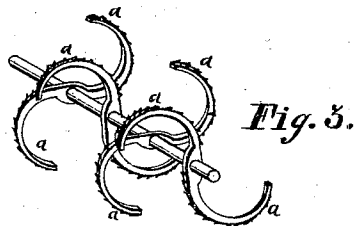
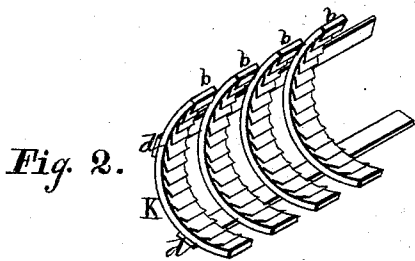
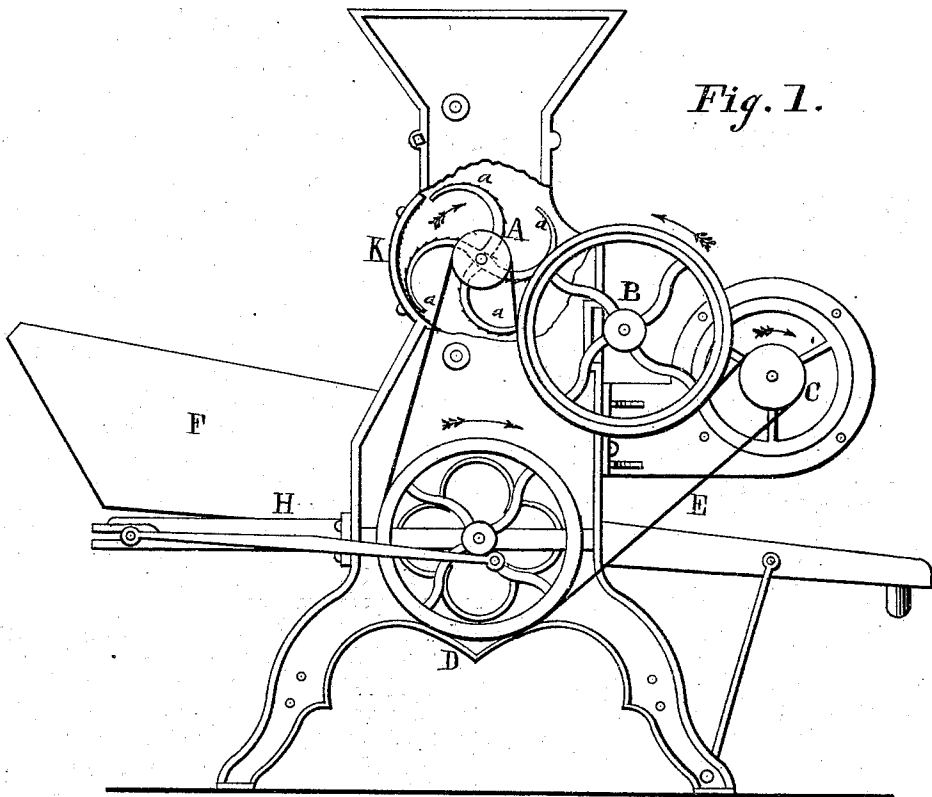


J. DONALDSON.
Hominy-Machines.

No. 147,914.

Patented Feb. 24, 1874.



Witnesses,
W. W. Burson
M. C. King

Inventor,
John Donaldson

UNITED STATES PATENT OFFICE

JOHN DONALDSON, OF ROCKFORD, ILLINOIS.

IMPROVEMENT IN HOMINY-MACHINES.

Specification forming part of Letters Patent No. **147,914**, dated February 24, 1874; application filed September 29, 1873.

To all whom it may concern:

Be it known that I, JOHN DONALDSON, of Rockford, State of Illinois, have invented a Hominy-Mill, of which the following is a specification:

The object of my invention is to prepare hominy from corn; and it consists in the construction and arrangement of the devices hereinafter set forth and claimed.

In the drawing, Figure 1 shows an end view of my mill. Fig. 2 is a section of the hulling-concave *p p p*. Fig. 3 shows the beaters *a a a*. The general construction of my mill is shown in Fig. 1.

Shaft A bears the beaters *a a a*, which are placed alternately at right angles upon said shaft. These beaters are constructed as shown, being somewhat S-shaped, the outer surface being finely serrated, and are drawn through the grain with a sliding stroke. The concave K is constructed in sections *p p p*, being also finely serrated, and are fastened with rivets or screws to the bars *d d*.

This construction of the beaters *a a a* and concave *b b b* admits of their being sharpened and tempered separately.

Motion is given to the beater-shaft A by belt or otherwise in the direction of the arrow. A belt, E, passes over pulley on said shaft under pulley B on the wormer-shaft, over the fan-pulley C, and under the crank-pulley D, as shown in Fig. 1. The crank-pulley D is placed in line with the movement of the screen F, to which it attaches by the pitman H.

I claim as my invention—

In a hominy-mill, the combination of the beaters *a*, the sectional concaves *b d*, the shafts and pulleys A B C D, and belt E, all constructed and arranged to operate substantially as and for the purpose shown and described.

JOHN DONALDSON.

Witnesses:

W. W. BURSON,
M. H. RING.