

H. KRUSE.  
OAT MEAL MACHINE.

No. 170,745.

Patented Dec. 7, 1875.

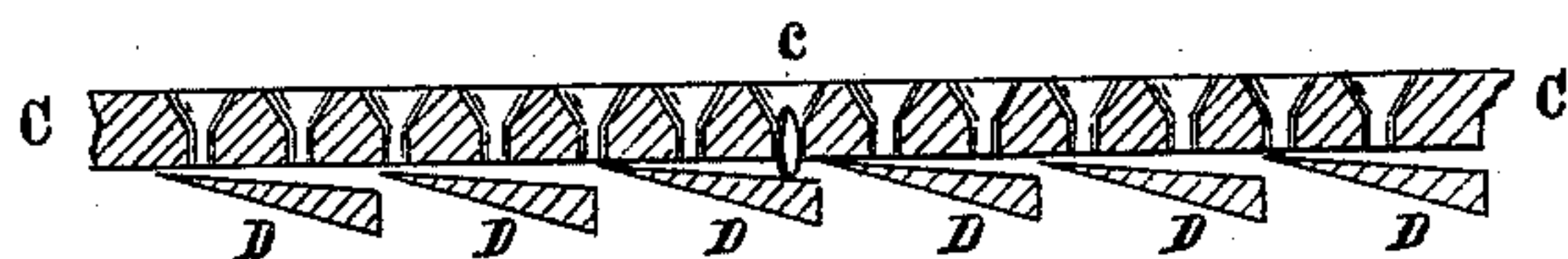


Fig. 1.

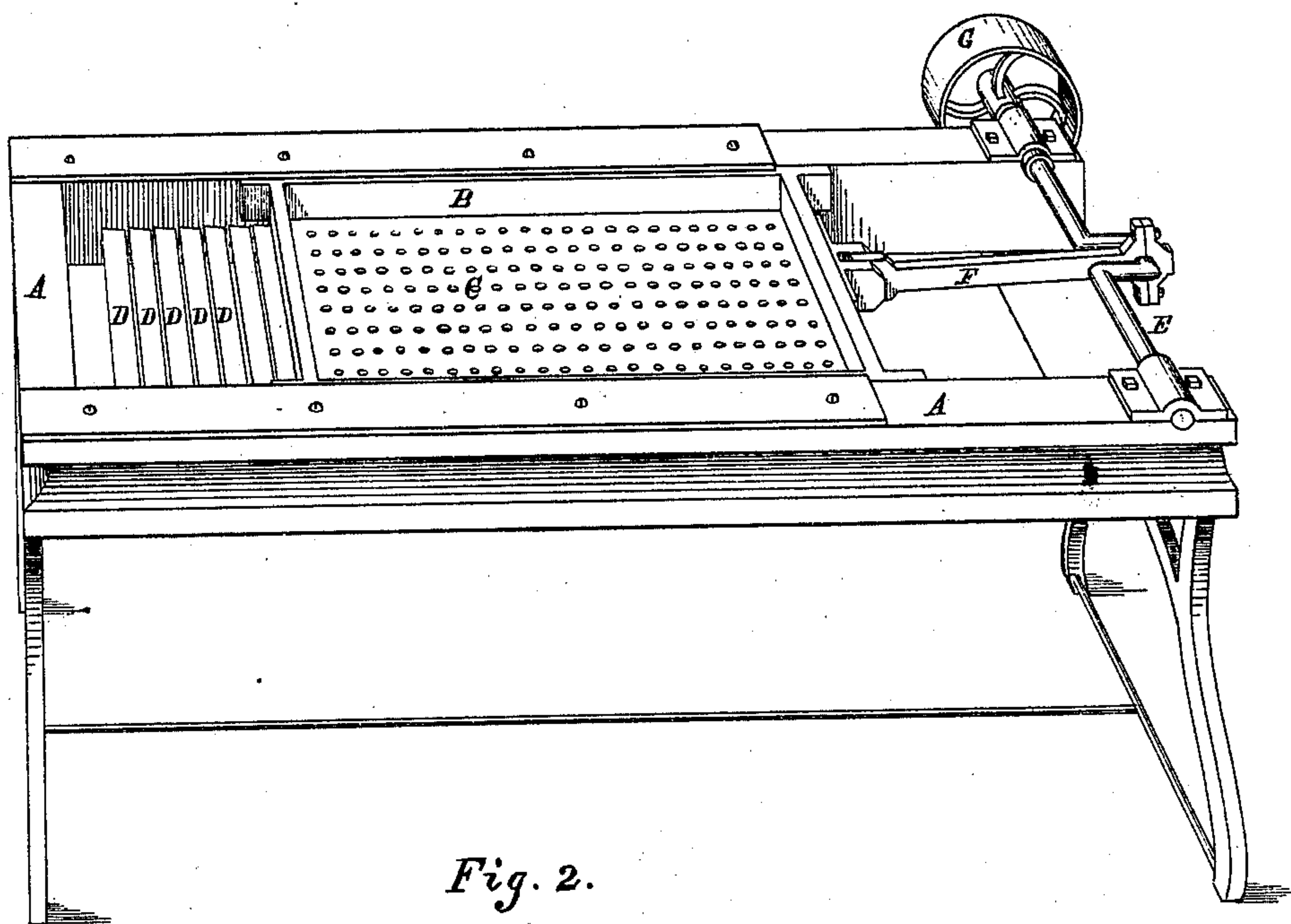


Fig. 2.

Witnesses;

Geo. McNaughton  
Geo. S. Hay.

Inventor;

Henry Kruse  
per Humphrey & Stuart  
Attys.

# UNITED STATES PATENT OFFICE.

HENRY KRUSE, OF AKRON, OHIO, ASSIGNOR TO FERDINAND SCHUMACHER,  
OF SAME PLACE.

## IMPROVEMENT IN OATMEAL-MACHINES.

Specification forming part of Letters Patent No. **170,745**, dated December 7, 1875; application filed  
September 11, 1875.

*To all whom it may concern:*

Be it known that I, HENRY KRUSE, of the city of Akron, Summit county, Ohio, have invented an Improvement in Oatmeal-Machines, of which the following is a specification:

My invention relates to that class of oatmeal-machines wherein a hopper having a perforated metallic bottom slides upon a series of horizontal knives, so arranged that the kernels of grain falling endwise through the bottom of the hopper shall be sheared off by the knives as the hopper slides across them.

The object of my invention is to render the particles of meal uniform in size, and insure the cutting of each kernel of grain. I accomplish this by using single-edged knives, arranged so closely together that kernels of oats cannot fall vertically between them, and beveling the upper side of these knives toward the back, so that the blade shall form a stop, against which the ends of the kernels of oats falling through the perforated bottom of the hopper shall strike and be arrested until cut off by the following knife, when the severed pieces fall over the back edge of the knife into a proper receptacle below.

In the accompanying drawing, Figure 2 is a perspective view of an oatmeal-machine embodying my invention; and Fig. 1, a cross-

section of a portion of the perforated plate C and knives D, to show the arrangement and construction thereof.

In Fig. 2, B is the hopper, with the perforated bottom C, moved by the pitman F, crank E, and pulley G, and sliding in the frame A on the knives D D, &c. These knives are beveled toward the back, as shown in Fig. 1, so that a space is left between them and the plate C, which regulates the size of the particles of grain cut off, as shown at C, Fig. 1. These knives may be placed in an independent sliding frame, if desired, so as to move in an opposite direction to the plate C. By fastening these knives by pivots or journals at the front edge the back could be raised and lowered, so as to regulate the size of the particles of meal at will.

I claim as my invention—

In an oatmeal-machine, the beveled knives D D, applied, as set forth, in relation to plate C, serving both to cut the grain and as a gage to regulate the size of the particles of meal, substantially as described.

HENRY KRUSE.

Witnesses:

LOUIS SCHUMACHER,  
HUGO SCHUMACHER.