A. C. Mills,

Corn Sheller.

No. 80,362. Patented July 28, 1868

Fig. 1.

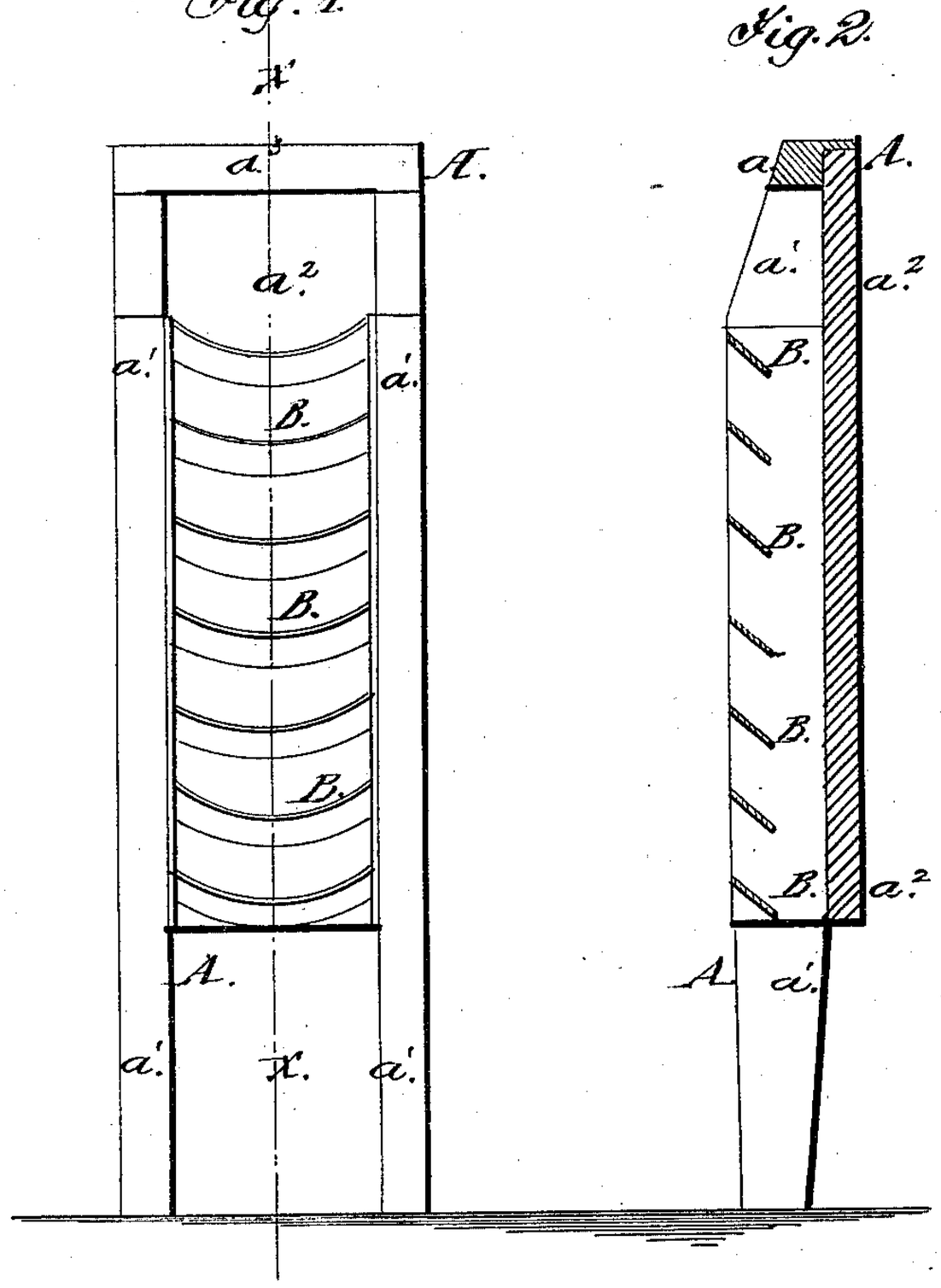

Fig. 2.

Witnesses:

W. C. Ashkettle,

Wm A. Morgan.

Inventor,

A. C. Mills.

per Munn & Co.

attorneys.

United States Patent Office.

AMZI C. MILLS, OF OAKTOWN, INDIANA.

Letters Patent No. 80,362, *dated July* 28, 1868.

IMPROVEMENT IN CORN-SHELLERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, AMZI C. MILLS, of Oaktown, in the county of Knox, and State of Indiana, have invented a new and improved Corn-Sheller; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 is a front view of my improved corn-sheller.

Figure 2 is a vertical longitudinal section of the same, taken through the line $x\ x$, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish a simple, convenient, and effective instrument for shelling corn, and which shall at the same time be durable and cheap; and it consists in the sheller, constructed as hereinafter more fully described.

A is the frame or conductor, which is made about eighteen inches long, and two and a half inches wide. The side boards a^1 of the frame A are made a little longer than the bottom or back board a^2, as shown in figs. 1 and 2. The end board a^3, at the upper end of the frame A, is made about half the breadth of the side boards a^1, and the edges of the upper ends of the said side boards are bevelled off or inclined to meet it, as shown in fig. 2. B are curved slats or knives, the ends of which are securely attached to the side boards a^1, in an inclined position, as shown in fig. 2, and the said slats or knives are made of such a breadth as to leave a clear space or channel between their inner edges and the back board a^2, for the passage of the shelled corn to the tub or receptacle in which the sheller is placed while being used.

The curved edges of the slots or knives B are made thin and blunt, so as to readily take hold of the kernels, and at the same time be unable to cut the hand of the operator, should it accidentally come in contact with them. The edges of said slats or knives may be made plain, as shown in the drawings, or toothed, as may be desired.

In using the sheller, it is placed in an inclined position. The ear to be shelled is then placed upon the curved knives or slats B, point forward, and pressed downward and forward with both hands, the rear hand pressing the harder, so that the upper knife may first operate to remove the kernels nearest the base or butt of the ear, the next knife operating next, and so on, so that, by a slight forward movement, all the kernels may be removed from one side of the ear at one operation. The ear is then turned over, and the kernels removed from the other side of the cob in the same manner, the ear being wholly shelled by two operations, which can be done very quickly. In the case of large ears, three movements may be necessary to remove all the kernels, but usually two will be sufficient. As the kernels are removed, the end board a^3 intercepts the kernels that would otherwise fly off, so that the kernels will all pass down the conductor to the receptacle.

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

An improved corn-sheller, formed by the combination of the curved slats or knives with the frame or conductor A, substantially as herein shown and described, and for the purpose set forth.

A. C. MILLS.

Witnesses:

DAVID M. BRUCE,

JACOB STARNER.