

No. 45.

UNITED STATES PATENT OFFICE.

JOSEPH C. BALDWIN, OF STAUNTON, VIRGINIA.

MACHINE FOR SHELLING CORN.

Specification of Letters Patent No. 45, dated October 11, 1836.

To all whom it may concern:

Be it known that I, JOSEPH C. BALDWIN, of Staunton, in the county of Augusta and State of Virginia, have invented an Improvement in the Construction of Machines for Shelling Corn, and that the following is a full and exact description thereof.

The machine which I have improved is of that kind in which the shelling is effected by the revolution of a vertical cast iron disk having teeth or small protuberances on one of its faces, between which, and an elastic piece of wood or other material the corn is made to pass.

The frame of this machine may be varied in its form, and the disk may be driven by a whirl, and band or by gearing as may be preferred in three parts.

I do not claim to have made any improvement but limit myself in this particular to the manner in which I construct that part of the machine which receives the ears to be shelled and bear them up against the revolving disk until the operation is completed. In front of the revolving disk I make a fixture of any suitable material preferring it to be in the form of a perforated plate of cast-iron extending across the whole diameter of the disk, and reaching up to its

center, the upper edge of the piece serving to receive one of the gudgeons of the disk. This fixture or plate stands at such distance from the disk as to allow the feeding in the ears between them, and partitions project from it so as to come nearly into contact with the teeth, these partitions forming two, three or any convenient number of troughs in which the ears are received, and in passing through which they are shelled,—a steel spring forms the back of each of these troughs being attached by the upper end to the iron plate or other above described the lower end inclining toward the disk, and approaching within a short distance of it.

What I claim as constituting my improvement is—

The constructing of two, three, or any other convenient number of troughs sufficiently large to receive the ears of corn to be shelled, and the bearing these ears up against the revolving disk by steel springs the whole being fixed, and operating in the way herein set forth.

JOSEPH C. BALDWIN.

Witnesses:

SAM STETTINEUS,
G. L. GIBERSON.