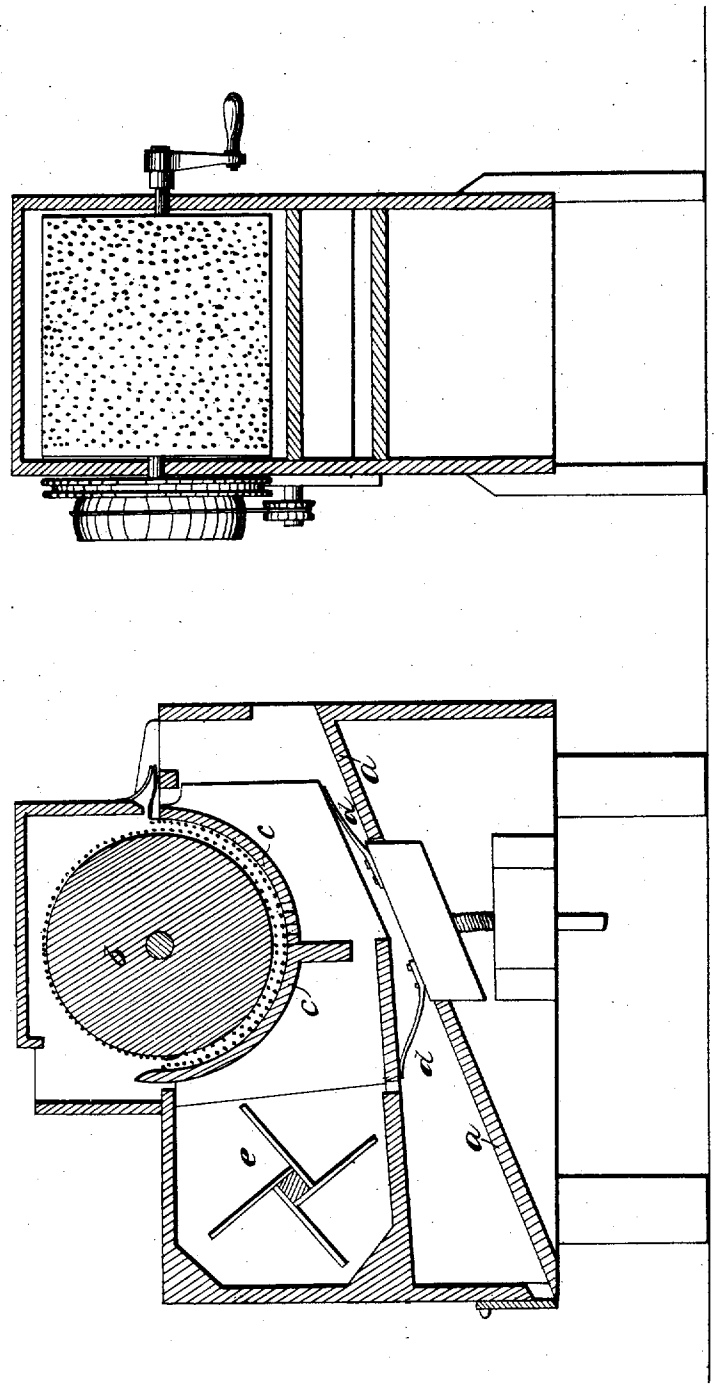
J. P. SMALL.

CORN SHELLER.

Patented July 21, 1835.

8986X



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON D. C.

July 21, 1835

8986X Letter Patent of Wellington New Hampshire

Letters Patent.

The Schedule referred to in these Letters Patent and making part of the same containing a description of the inside of the said Fulton Forge Shovels himself by his improvement and as Shovels for the Mining Trade

To all to whom these Presents shall come Be it known that I Fulton Fox Forge of Wilmington in the County of Windham and State of New Hampshire have invented a new and useful improvement for Shovels for Mining Purposes or Excavating of Earth the Coal and the Rock and that the following is a full and exact description thereof. The frame of the machine is a Box Oval Form being 16 inches wide and 20 inches deep the bottom standing perpendicular and perforated at the two ends with a Hole through which the Axis is secured after being separated from the Wood Shaft. Immediately above the bottom the sides and the two ends are made to suffer the Shaft to be secured and. A Block of wood is formed Circular Cross but so slightly conical that for brevity sake it may be termed a Cylinder) is suspended by the axis upon the sides of the box as near as practicable to the upper end. It is about 11 inches and its length such as to occupy the entire space between the sides of the box. It is perforated with eight rows of small Square Steel headed bolts running Longitudinally and reaching to the Shaft Placed Circularly in the box of equal length corresponding with its shape and embracing about one half of its circumference. The Shell is likewise perforated with rows of teeth running Spirally but not descending so deep as those on the Cylinder. At each end there is a Spring affixed one upon each side of the box. by means of which it is pressed upon the Cylinder so as to yield to accommodate the Unevenness of the Coal or Rock which are to pass between it and the Cylinder. Over the Cylinder is a Cap fastened to the box by hooks and Staples. At the two ends the fore part, over the fore part, which admits the axis of the Cylinder being forced down between it and the Shell the axis and Cylinder are secured by these additions. The former dropping down

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through holes at the termination of the shell. The cutter being removed through the aperture of the cylinder and the screw back to between the upper edges of the shell and of the cup which is so made as to pass to and there pass out and fortified with iron. The opening is surrounded by leather to prevent the escape of the Hermetically sealed. At the forward and upper part of the box is a chamber containing a revolving frame and machine by a band passing to wheel on the axis of the cylinder. The chamber opens immediately under the holes in the shell through which the corn falls and there the chaff is blown off through the opening before mentioned in the after end of the box. The whole machine is produced by a crank affixed to the axis of the cylinder. The box is supported by legs of which [illegible] shall declare as my invention and not before known into the above described machinery the combination or manner in which I have put together the several parts in the manner above described. In testimony that the above is a full and exact description of the construction and mode of operation of my machine as invented & improved by me I have hereunto set my hand this twelfth day of June eighteen hundred and thirty five.

Witness

Signed

John Kimball

David S Moore

Samuel Cate