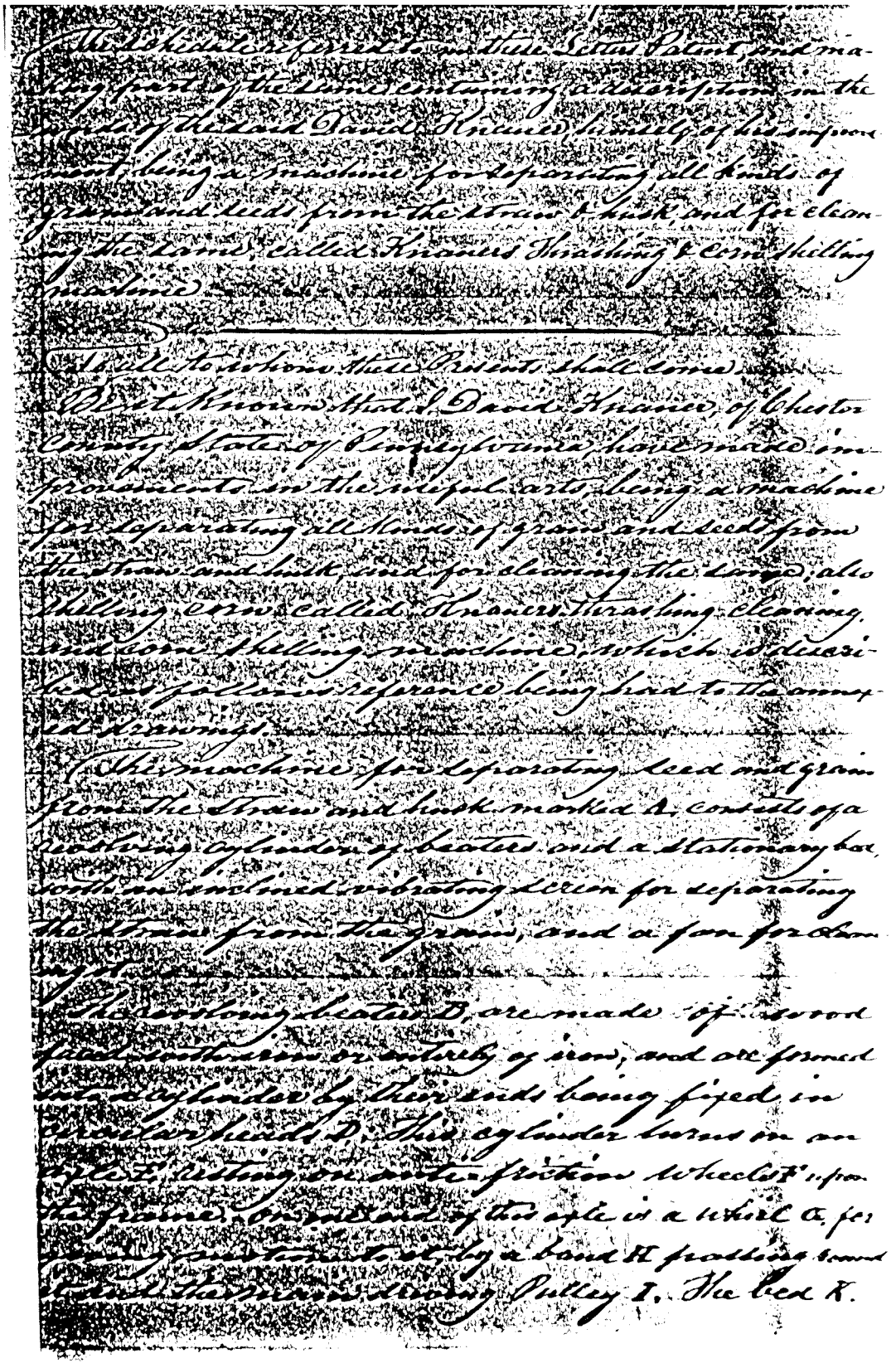
(12) **United States Patent**
Knauer

(10) **Patent No.: X8421**
(45) **Date of Patent: Sep. 25, 1834**

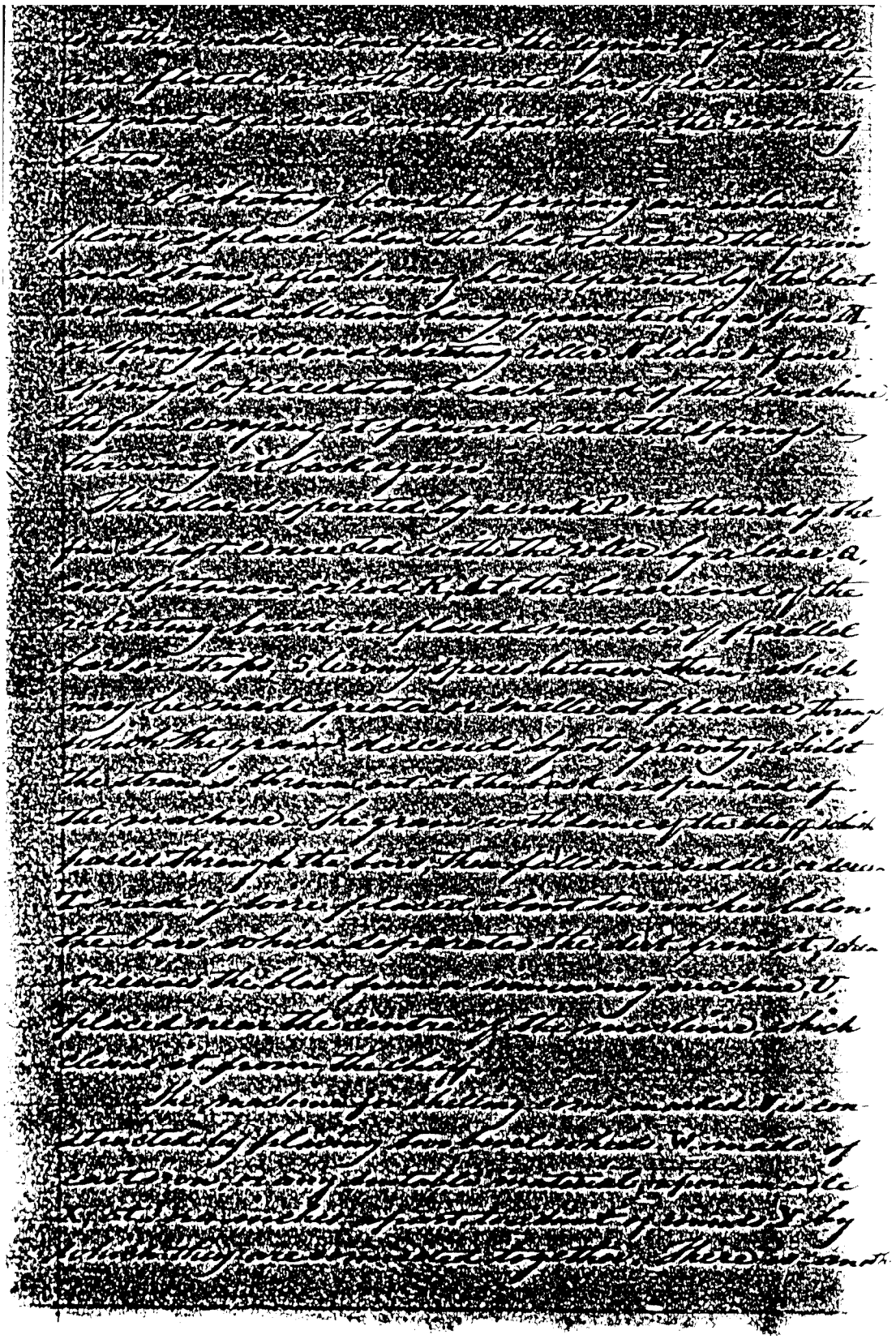
(54) **THRASHING, & CORN SHELLING MACHINE**

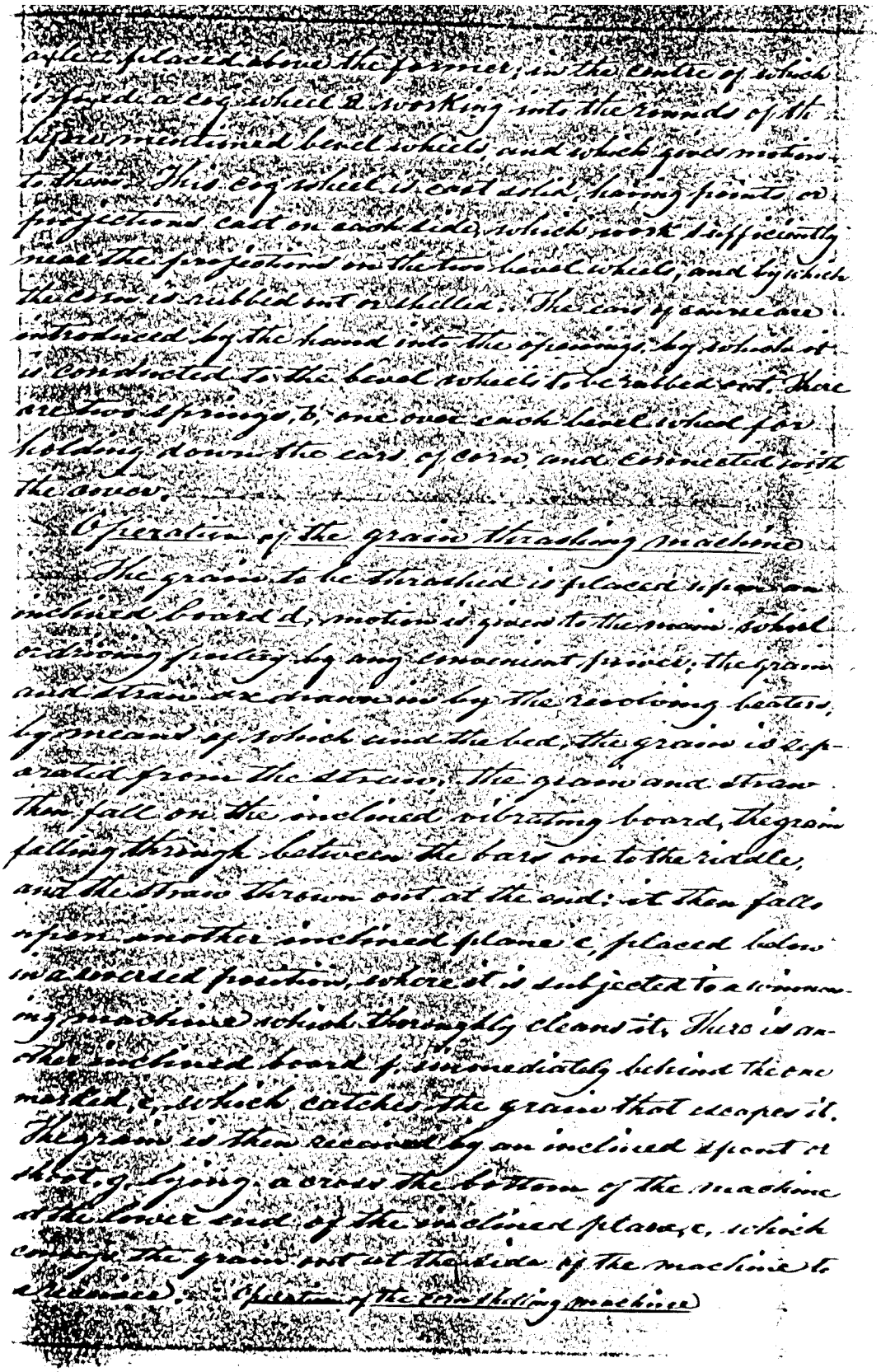
(76) Inventor: **David Knauer**



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a fleet placed above the former, on the centre of which is fixed a cog wheel B working into the rounds of the before mentioned bevel wheels and which gives motion to them. This cog wheel is cast solid, having points or projections cast on each side, which work sufficiently near the projections on the two bevel wheels, and by which the corn is rubbed out or shelled. The ears of corn are introduced by the hand into the openings by which it is conducted to the bevel wheels to be rubbed out. There are two springs, b, one over each bevel wheel for holding down the ears of corn, and connected with the arbor.

Operation of the grain threshing machine.

The grain to be threshed is placed upon an inclined board d, motion of grain to the main shaft causing it gently by any convenient power; the grain and straw are drawn in by the revolving beaters, by means of which and the bed, the grain is separated from the straw; the grain and straw then fall on the inclined vibrating board, the grain falling through between the bars on to the riddle, and the straw thrown out at the end; it then falls upon another inclined plane c, placed below in a reversed position, where it is subjected to a winnowing machine which thoroughly cleans it. There is another inclined board f, immediately behind the one marked e, which catches the grain that escapes it. The grain is then received by an inclined plane or shoot g, lying across the bottom of the machine at the lower end of the inclined plane c, which conveys the grain out at the side of the machine to a distance.

Operation of the corn shelling machine

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