(12) **United States Patent**
Boyd et al.

(10) **Patent No.: X4143**
(45) **Date of Patent: Jun. 7, 1825**

(54) **THRASHING MACHINE(BALLOU'S IMPRVMT**

(76) Inventors: **John C. Boyd; Andrew Kitchin**

John C Boyd & Andrew Wilshin

Letters Patent.

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said John C Boyd & Andrew Wilshin themselves of their improvement on Seth Ballou's Thrashing machine.

Our improvement on Seth Ballou's Thrashing machine, which must be considered the basis of this invention consists in having a cover of a semi circular form, instead of a flat one, whereby the grain after having passed under the breaking or thrashing cylinder is guided round down to the sieve, riddle, or Separator, instead of being obstructed in its progress or passage and causing it to have a tendency to go back to the point from whence it came. And likewise our improvement our sieve, riddle, or separator being in the usual manner is constructed with a wooden frame inside of which, made of sheet iron or tin, is put the riddle. That part which is secured to the thrashing machine, about ⅓ of its length is without holes, for the purpose of acting as a guide or way to the straw, and grain to prevent its falling through on account of its perpendicular descent, before the chaff is separated from it. The holes can be round or square: round we deem the best, and their jagged ends downwards. Boyd.

Witnesses
C. H. H. Wharton
of A Elliot

John C Boyd
Andrew Wilshin

1845.

DRAFTSMAN'S DIVISION.

All communications should be addressed to "The Commissioner of Patents. Washington, D. C."

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DEPARTMENT OF THE INTERIOR,

United States Patent Office,

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SIR:

The printed copies ..... *of Patent No.* Boyd & Ketchum

..... are ..... *exhausted.* June 5, 1825

As soon as printed a copy will be mailed you to complete your order.

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By direction of the Commissioner:

Very respectfully,

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..... *Chief Clerk.*

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United States Patent

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