(12) **United States Patent**
Springer

(10) **Patent No.: X2413**
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(54) **SAW MILL , WIND**

(76) Inventor: **Jesse Springer**

Jesse Shuinger.

Letters Patent dated 27th Dec 1815 & Recorded 23rd January 25th 1815.

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Jesse Shuinger of his Plain Saw mill.

The machinery of this saw mill consists of the following described parts, which are fixed within a wooden frame or building of suitable dimensions, weather boarded and shingled. The frame & outward covering may be made either of any kind of wood or stone, or partly of one & partly of the other, that may be found suitable. Across the interior of the building towards the top is fixed a horizontal shaft having on it wooden cogs at each end, these cogs are fixed endwise and form a mortise that operates on a pinion which causes the motion of the saw. There is one of said cranks at each end of the shaft which causes the reciprocation of two saws in opposite directions.

For one end of the shaft is a Trundle head and on the opposite side of the shaft near the end is fixed a balance wheel of suitable size.

Just over the said shaft is placed a horizontal beam directly at right angles with the shaft and the ends are framed in the uprights of the building In the centre of said beam which is crosswise over the centre of the shaft is fixed a gudgeon in which turns the upper pivot of a perpendicular shaft called the centre shaft the pivot on the upper part of this shaft turns in a cross beam fixed across the centre of the revolving top frames

Near the lower end of the said shaft is fixed a horizontal cog wheel through which mortise into the rounds of the Trundle head. Over this cog wheel which is fixed on the same shaft, a horizontal trundle head the rounds of which go into the cogs of the larger cog wheel which is fixed on a horizontal shaft across the top

of the Log frames the said shaft projects and from the Cutting on it other pulls, V receives at the ends said which are spiraled on by the wind and give motion to the machinery At the bottom of the frame or timbering under the cranks before mentioned in Series the Saw frames which receive through them the Logs to be sawed

A Screw with a shaft is suspended from the centre cog wheel above to the Rag wheel that moves the Carriage that carries the back after the Calf is sawed

Witnesses
Jos Logan
Geo Canfield

Jesse Springer

600 acres

Exd. W.P.C.B.