

9351X

J. S. Wright
Straw-Cutter

No Printed Specification Available

Patented Feb. 3, 1836.

Nº

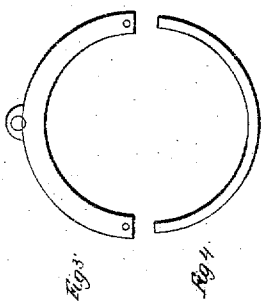
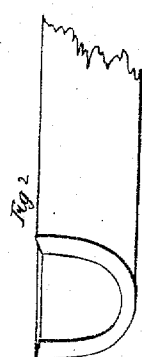
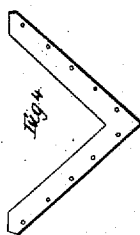
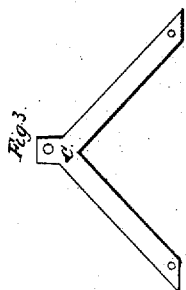
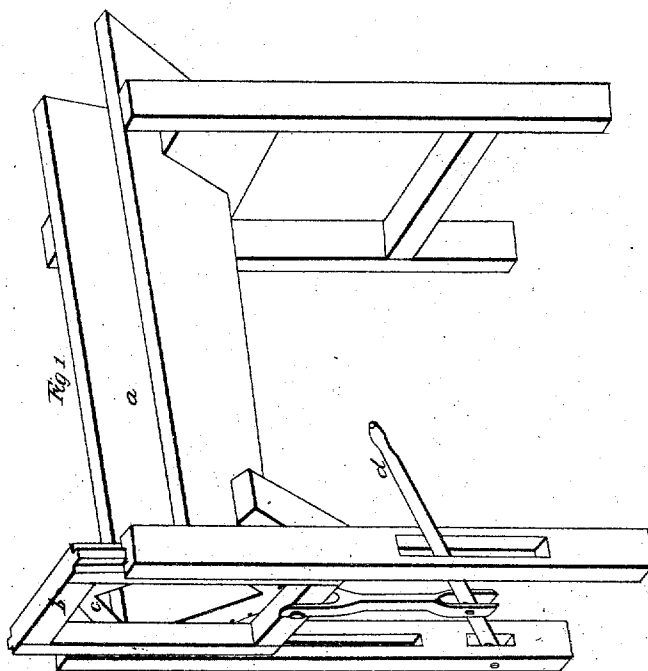
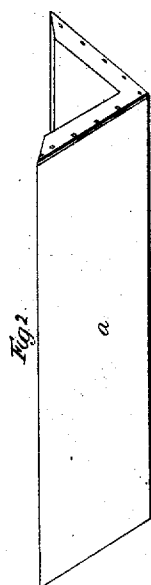


Fig. 4.



2/3/1836

9351x

Isaac Sturges, Ellbridge, New York.

Letters Patent Dated February 3. 1836.

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Isaac Sturges himself of his improvement in the straw cutter.

To all whom it may concern

Be it known that Isaac Sturges of Ellbridge in the County of Oneida and State of New York have invented certain improvements in the construction of machines for cutting straw and I do hereby declare that the following is a full and exact description thereof.

The straw to be cut is placed in a trough in the usual way, but the trough differs in form from those generally employed being most commonly made out of two pieces of plank joined together lengthwise at right angles, or at any angle greater or less than a right angle as may be preferred. This trough has a cutting knife at one end which is fixed onto a frame sliding up and down in grooves like a rule saw frame. The knife consists of two cutting parts united together at the middle, so as to form a right angle, or any angle greater or less than a right angle as may be preferred. The angle of the trough points downwards and the angle of the knife upwards, the cutting edge being downwards; the gate or frame which carries the knife may be moved up and down by means of a lever, a treadle, a crank, or in any of the known ways of producing such motions. The fore edge of the trough is armed with iron or steel for the knife to cut against. Both the knife and the trough may instead of being in the angular shape described be made curvilinear, in which case it will be best to make the curve a segment of a small circle at the middle corresponding with the angular point above mentioned. The object in view will in either case, be equally well attained.

2/3/1836

9351 x

object being so to form the form the knife and the trough, that as the former comes down upon the straw, they shall converge in gathering and press it into a compact state. The same end may be partially attained by giving the described shape to the knife alone. I intend sometimes to augment that part of the trough which is against the knife, by a short angular or curved piece, in the same form with the trough inverted for the purpose of keeping the upper portion of the straw more completely together whilst feeding. The feeding may be performed in any of the usual ways.

What I claim as my invention and wish to secure by Letters Patent is the angular or curved form of the knife as above described, whether used with or without a trough similarly formed for the purpose set forth. I do not claim the angular trough when used alone the same having been previously employed, but without an angular or curved knife such as is herein described.

Witnessed

James Brown

John McMillan

J. S. Wright

640
791

(Recd. & Registered March 29. 1842.)

(537 nos)

Drawing made B.