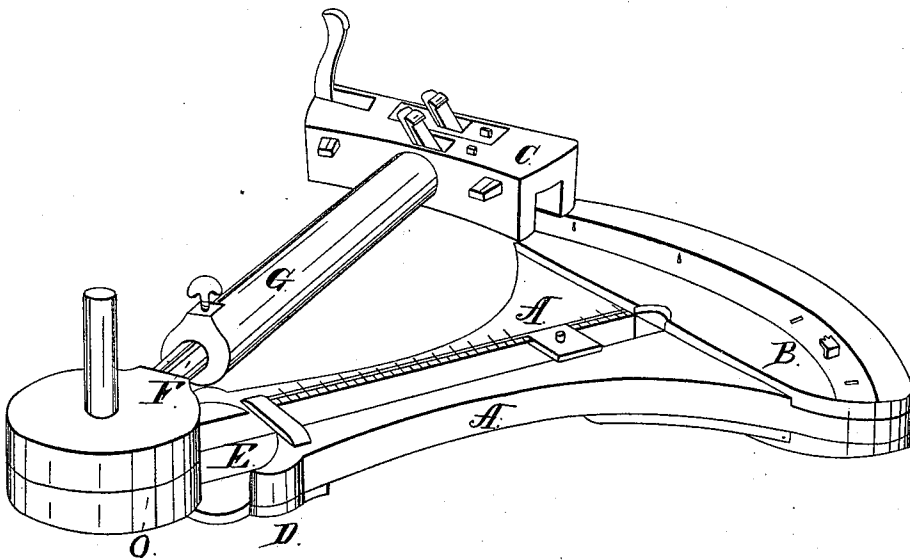


W. W. Johnson,
Making Fellies.
N^o 13,947. Patented Dec. 18, 1855.



Witnesses:
James W. Johnson,
Edward Crann
Justice of the Peace

Inventor:
Wm W. Johnson,

UNITED STATES PATENT OFFICE.

WM. W. JOHNSON, OF CLIFFORD, PENNSYLVANIA.

MACHINE FOR PLANING FELLIES.

Specification of Letters Patent No. 13,947, dated December 18, 1855.

To all whom it may concern:

Be it known that I, WILLIAM W. JOHNSON, of Clifford, in the county of Susquehanna and State of Pennsylvania, have invented certain new and useful Improvements in Modes of Planing Fellies, of which the following description, illustrated by the accompanying drawings and references, is sufficiently clear and comprehensive to enable others of competent skill to make and use my invention.

The nature of my invention consists in the use of the sliding bar E hinge O and the sliding rod or piston F graduated and constructed as described, by means of which, the center upon which the plane *c* performs its arc, is kept concentric with the radius of the required felly.

One perspective drawing only is represented.

B is the stationary bed upon which the felly rests and upon which the plane C, moves, C being made somewhat after the form and manner of the common hand plane. The heavy arms A secured together underneath at D form guides in which the sliding bar E may slide whenever it is re-

quired to make a felly of a different curve. The arm A upon one side of E being graduated so that the size of the felly which will be cut, may at once be seen upon the top of the arm. The sliding bar E is hinged at O, to the rod or piston F which is also graduated and slides in the barrel G, which is attached to the plane. By drawing the plane back and forward by any desired power it will perform the curve necessary to cut the required felly. The claw and points set in the bed piece B are for the purpose of holding the wood in its proper place while both sides and the top are planed at the same time.

What I claim as my invention and desire secured to me by Letters Patent is—

The combination of the lever E, sliding in the arms A graduated as shown, with the graduated lever F and hollow cylinder or barrel G, E and F being hinged for the purposes set forth or any device which is substantially the same.

WM. W. JOHNSON.

Witnesses:

JAMES M. JOHNSON,
EDWARD CRANE.