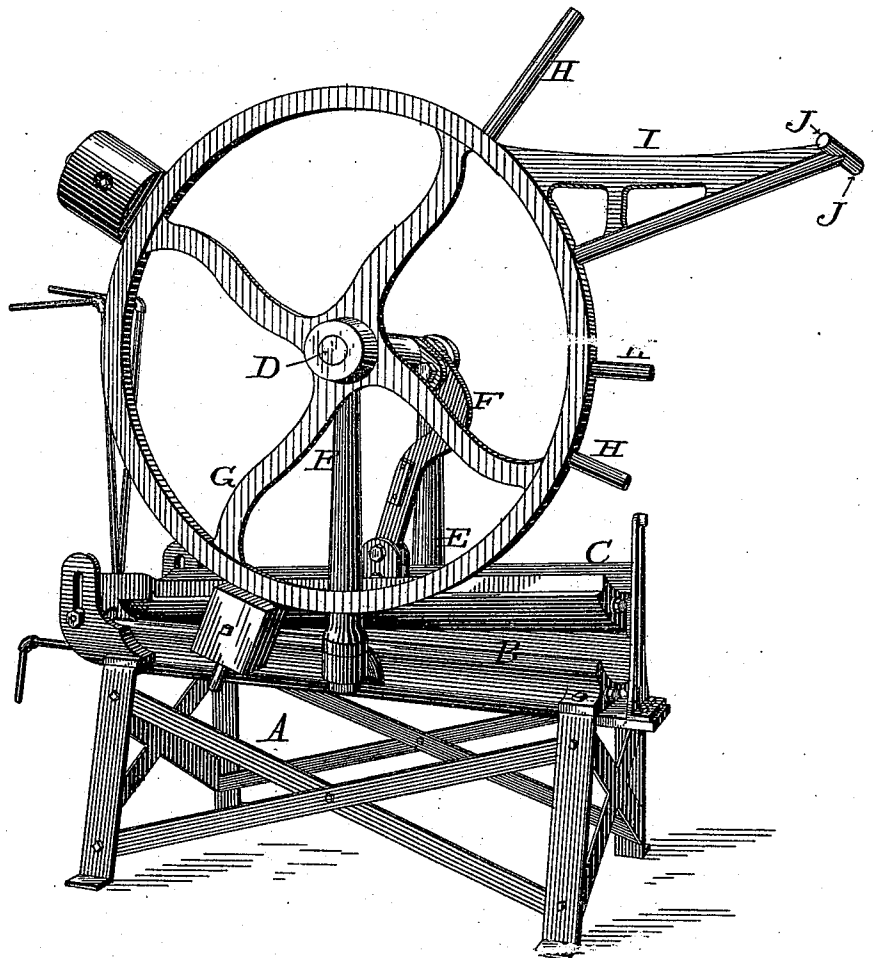


(No Model.)

S. SWARTZ.  
MACHINE FOR BENDING WOOD.

No. 544,754.

Patented Aug. 20, 1895.



*Samuel Swartz*

Inventor

*by Dodge Lane,*

Attorney

Witnesses

*Sidney P. Hollingsworth*  
*C. B. Bull.*

# UNITED STATES PATENT OFFICE.

SAMUEL SWARTZ, OF DETROIT, MICHIGAN.

## MACHINE FOR BENDING WOOD.

**SPECIFICATION** forming part of Letters Patent No. 544,754, dated August 20, 1895.

Application filed May 10, 1895. Serial No. 548,811. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL SWARTZ, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Machines for Bending Wood, of which the following is a specification.

My invention relates to machines for bending wood; and it consists in a novel construction of the same, as hereinafter set forth and claimed.

The accompanying drawing is a perspective view of a chair-back-bending machine constructed in accordance with my invention.

A indicates the main frame or bed of the machine; B, the lower or fixed die; C, the upper movable die; D, the main shaft journaled in the uprights E E, and F a link connecting the upper die with a radial arm projecting from the shaft, the construction and arrangement of the parts being such that when the shaft is rocked or oscillated the upper die will be moved toward and from the lower die.

Secured to the end of the shaft D is a large wheel G, which is provided with suitable handles H, and a long arm I having lateral extensions J J at its outer end, the said arm and its extensions forming a foot rest or support upon which the operator may stand. The

arm I is so arranged relatively to the other parts that when the dies begin to press upon and bend the wood it will be in such a position that the operator may readily step upon it and throw his whole weight into the bending operation, the great leverage exerted by the application of say, one hundred and fifty pounds to the end of the long arm, rendering the bending operation easy and certain without increasing the time or labor required.

I do not wish to limit myself to the particular form of press shown, as it is obvious that the invention can be applied to other styles and forms of bending-presses.

The form of the foot-rest may also be modified according to the taste of the designer.

What I claim is—

A wheel for use in connection with bending presses and the like, having a series of handles, and a long arm or lever provided with a foot rest, said handles and lever being arranged around the periphery of the wheel.

In witness whereof I hereunto set my hand in the presence of two witnesses.

SAMUEL SWARTZ.

Witnesses:

G. R. SWARTZ,  
D. H. MICHAUD.