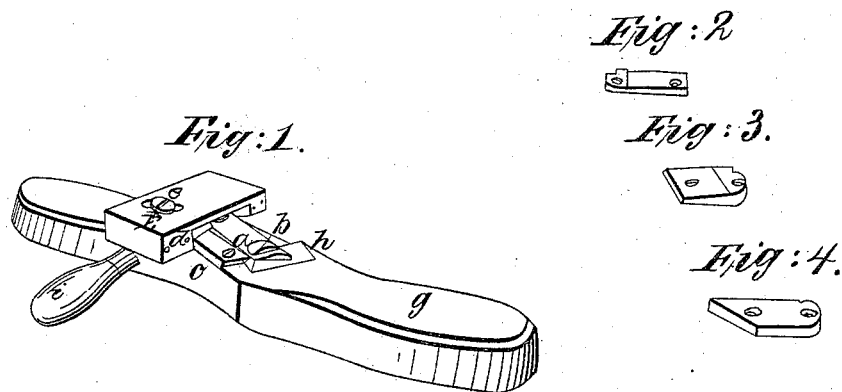


C. Stratton,
Making Hoops.
N^o 2,749. Patented Aug. 6, 1842.



Witnesses:
E. D. Bradley
Chas C. Frost

Inventor:
Charles Stratton

UNITED STATES PATENT OFFICE.

CHARLES STRATTON, OF BRATTLEBORO, VERMONT.

SHAVE FOR GETTING OUT WOODEN HOOPS FOR CASKS, &c., AND BASKET-STUFF.

Specification of Letters Patent No. 2,749, dated August 6, 1842.

To all whom it may concern:

Be it known that I, CHARLES STRATTON, of Brattleboro, in the county of Windham and State of Vermont, have invented a new and Improved Method of Manufacturing or Getting Out Wooden Hoops and Basket-Stuff; and I do hereby declare that the following is a full and exact description thereof.

First, I get the timber into boards of a thickness corresponding with the desired width of the hoops or basket stuff. Secondly, I steam or boil the boards. Thirdly, while the boards are yet hot I shave the hoops or basket stuff from their edges. To do this, (having confined the board in a convenient position) I employ a shave somewhat resembling a spoke-shave. (See I in the annexed drawing.) The said shave is however much stouter in its construction than the ordinary spoke-shave. It has a stock and handles (see *g* and *i*) fit to receive the force of two men. It has its blade (see *a*) set angling, so as to be carried when desirable, with its edge crossing the board diagonally. This shave is also furnished with a guide (see *d*) which runs against the side of the board to prevent the longitudinal sliding of the knife. This guide turns on a pivot (at *e*) thus presenting the knife at different angles to the board. It is also furnished with a slot and screw (see *f*) to confine it firmly to the stock when properly adjusted. To prevent injury by wearing this guide is furnished with a metallic plate on the side exposed to friction against the board.

The shave is also furnished with several different metallic rests (see Figures II, III, and IV,) one of which (as at *c*, Fig. I) is to be fastened into the stock. These rests are of different thicknesses and therefore occupy more or less of the space between the knife and the stock and thereby regulate

the thickness of the shaving which forms the hoop or basket stuff. These rests are also variant as to the angle at which one end is truncated, thus allowing the guide to swing more or less round and consequently present the knife at the different angles to the board which may be required (the boards of weak and crooked fiber requiring a greater slant, and those which are of straight grained and tough timber permitting the knife to be propelled through them square or nearly square across their edge and working easiest in that manner.)

When one edge of the hoop (as is usually the case) is required to be thickest, the operators adjust to the stock a rest fitted to allow a shaving of that shape to pass over the knife (see Fig. II and Fig. III,) and then take care to begin alternately at each end of the board, thus taking for the thick side of the hoop first from one and then from the other side of the board.

Fourthly, I bind the hoops while hot around a cylinder, and allow them to cool and dry in a circular shape taking care that the upper or first made surface of each hoop, shall form the outer or convex side of the hoop when bent.

In the manufacture of basket stuff I find it more uniformly necessary to set the knife diagonally across the board and farther from a right angle than when making hoops.

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

The combination of the knife and rest which regulates the thickness of the article to be cut as herein described; and also the combination of the knife and guide for the purpose and in the manner specified.

CHARLES STRATTON.

Witnesses:

CHS. C. FROST,
I. D. BRADLEY.