

J. R. CLIFFTON.

Rifles for Sharpening Harvester-Cutters.

No. 133,408.

Patented Nov. 26, 1872.

FIG. 1.

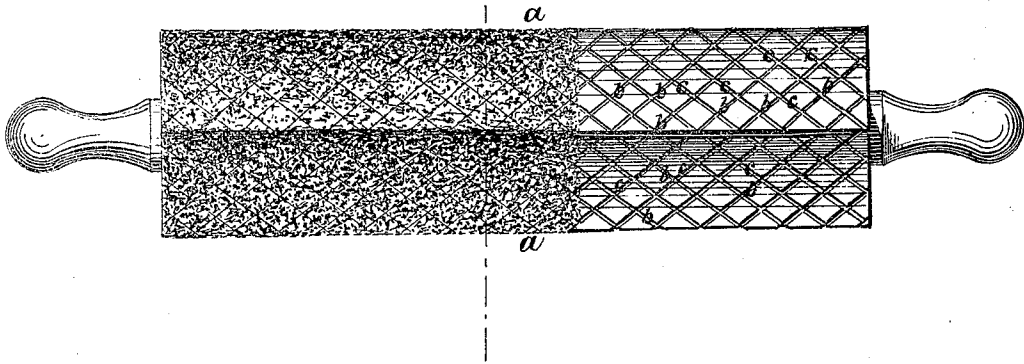
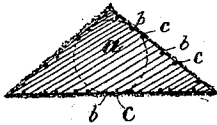


FIG. 2.



Witnesses.

W. Ready
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Inventor.

John R. Clifton
By *[Signature]*
Atty.

UNITED STATES PATENT OFFICE.

JOHN R. CLIFFTON, OF WEST UNITY, OHIO.

IMPROVEMENT IN RIFLES FOR SHARPENING HARVESTER-CUTTERS.

Specification forming part of Letters Patent No. 133,408, dated November 26, 1872.

To all whom it may concern:

Be it known that I, JOHN R. CLIFFTON, of West Unity, in the county of Williams and State of Ohio, have invented certain Improvements in Rifles for Sharpening Harvesters, of which the following is a specification:

Nature and Objects of the Invention.

On the 16th of July, 1872, I obtained Letters Patent No. 129,103, for improvements in rifles, in which the surfaces of the bar or blank are provided with pits or holes to assist in holding the glue or cement which forms the bed for the emery or other abradent. I find in practice, in making rifles by this invention, that the rifle-blanks are apt to split in making the pits or holes, particularly along the edges, thereby destroying the rifle-blank. To remedy this defect is the object of this invention; and, to attain to this end, it consists of sawing or otherwise forming a series of diagonal grooves on the surfaces of the rifle-blank, which are crossed by a similar series of grooves, making an angle with the first set, by means of which construction I can more easily and economically form a proper bed for the reception of the glue or cement to which the emery or other abradent is attached.

Description of Drawing.

Figure 1 is a plan view of a rifle embodying my invention. Fig. 2 is a transverse section.

General Description.

a is the rifle-blank, having diagonal grooves

b b made preferably across its faces by means of a gang of small circular saws, the blank being held in the sawing at an angle with the saws. *c c* are similar grooves, made in the same manner, and crossing the first set of grooves *b b* at an angle, as seen in the drawing.

I have explained a simple and economical way of forming the grooves, although it is obvious they may be made otherwise without departing from my invention. To the surfaces of the rifle-blank thus constructed with diagonal grooves the glue or cement is applied, and to the latter the emery or other abradent.

By this construction I gain all the advantages, without the defect above named, in constructing rifle-blanks with pits or holes.

I am aware that rifles have before been made by applying an abradent to an uneven surface, and also by forming intersecting grooves in the surface of the abradent itself. This, therefore, I do not claim; but

What I do claim, and desire to secure by Letters Patent, is—

The rifle herein described, made by sawing diagonal intersecting grooves in the wooden stock, and afterward applying the abradent with a level and even external surface, all as herein shown and described.

JOHN R. CLIFFTON.

Witnesses:

OCTAVIUS KNIGHT,
WALTER ALLEN.