(12) **United States Patent**
Jones

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(45) **Date of Patent: Jan. 11, 1836**

(54) **DRILLS FOR METAL**

(76) Inventor: **William Ray Jones**

William Ray Jones of Granville N.Y.
Letters Patent No: 12. Dated January 11th 1836.

The schedule referred to in these Letters Patent and making part of the same, Containing a description in the words of the said William Ray Jones himself of his improvement in the Drill for drilling wood, metal and stone.

Be it known that I William Ray Jones of the Town of Granville in the County of Washington and State of New York have made an improvement in the drill for Drilling wood metal & stone which is described as follows

This drill consists of the mandrill, the screw with the crank on the top of it; and another on the mandrill.

The mandrill is made of Metal & hollow at the lower end to receive the drill, on the lower end is a head or shoulder against which the screw presses. The screw is made of steel or metal and hollow to receive the mandrill & turns in a nut in the frame, On the top of the screw is a crank for pressing it down upon the mandrill with the drill.

The whole is supported on a proper frame. Operation. The substances to be bored is placed upon the lower part of the frame, the drill is brought in contact with it by turning the screw with the crank, the mandrill with the drill is then turned by the crank which bores the hole required.

What I claim as my invention and desire to secure by Letters Patent is the before described crank on the end of the screw passing through the nut, and the screw pressing upon the shoulder of the mandrel whilst boring by turning the crank.

Witnesses,
Wm P. Elliot.
John Gilsford.

William R. Jones.

350 words

Rec'd and Recorded anno March 11. 1809.