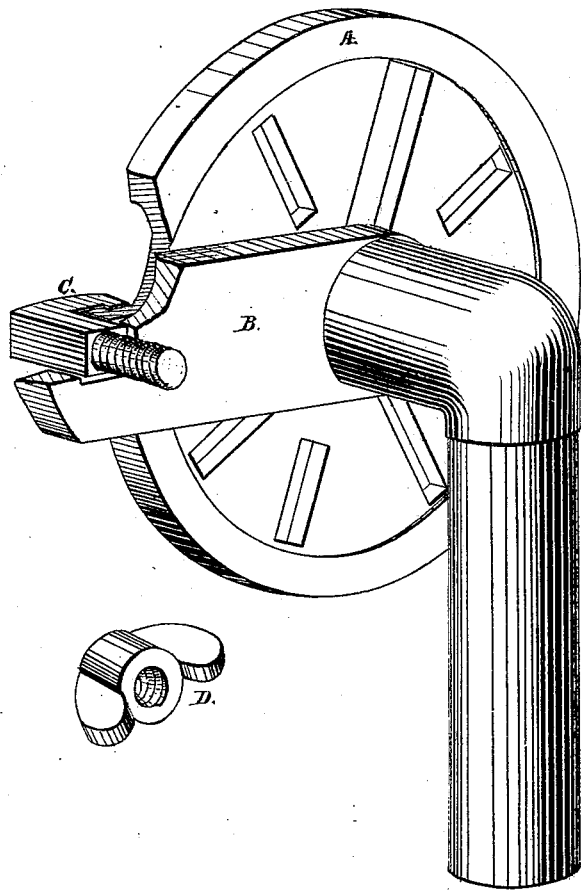


H. H. Folsom,

Drill Rest for Lathes.

No. 111,736.

Patented Feb. 14, 1871.



Inventor;

Henry H. Folsom

Witnesses;

Henry A. Dabry mfg.

Abel T. Ashton

United States Patent Office.

HENRY H. FOLSOM, OF LOWELL, MASSACHUSETTS, ASSIGNOR TO
CHARLES A. CHASE, OF SAME PLACE.

Letters Patent No. 111,736, dated February 14, 1871.

IMPROVEMENT IN DRILL-RESTS FOR TURNING-LATHES.

The Schedule referred to in these Letters Patent and making part of the same.

I, HENRY H. FOLSOM, of Lowell, in the county of Middlesex and State of Massachusetts, have invented certain Improvements in Drill-Rests, of which the following is a specification.

My invention relates to the combination of a drill-holder containing two or more holes for holding the drills when the said drills are in use, and a drill-rest; the whole when so formed being easily and quickly adjusted to accommodate drills of any size required, without the removal of the drill-holder from the rest.

It is frequently necessary, in drilling iron or other metals with a drill which does not revolve, to use a number of different sizes of drills. This necessitates a change in the size of the drill-holder, as those commonly employed have but one hole or receptacle for one size of drill, and this continual changing of the drill-holders necessitates also a corresponding change in the elevation of the rest to enable the drill to be always in a line with the center attached to the tail-stock of the lathe, in order that the hole in the piece drilled should be true.

By these operations with the common form of drill-holders and rests a great amount of time is consumed, which is entirely avoided by the use of my invention.

The accompanying drawing represents my improved drill-holder and rest with pieces broken off.

A is a drill-holder of any required form, containing two or more rectangular holes for the accommodation of the drills.

Said drill-holder is connected to the rest by means of a strong bolt or screw, in such a manner as to al-

low the drill-holder to be easily adjusted by elevating or depressing said rectangular holes, and at the same time be firmly affixed to said rest.

B is the drill-rest adapted to the rest-post of a hand lathe, or the tool-rest of an engine-lathe, said rest being connected to the drill-holder A, and having through its arm a hole for the reception of the hooked dog C, said hooked dog being intended to hold the drill-holder firmly in its place during the operation of drilling.

When it is desirable to use the drill-holder and rest, the rest is fastened into the said post of the lathe-rest. The drill-holder is adjusted by turning it with the hand until the hole adapted to accommodate the size of the drill to be used appears in the right place, and the hooked dog, by operating the thumb-nut, confines the drill-holder firmly to the rest.

The drill-rest, as commonly used, consists of a piece of wrought-iron bent at right angles, one-half in length of said piece being rounded to fit into the rest-post of the lathe-rest, the other half in length being flat, with a rectangular hole in the same near the end, for the accommodation of one size of drill.

I claim as my invention—

The combination of a drill-holder, A, containing two or more holes, with the drill-rest B, substantially as described.

HENRY H. FOLSOM.

Witnesses:

HENRY A. DALRYMPLE,
ABEL T. ATHERTON.