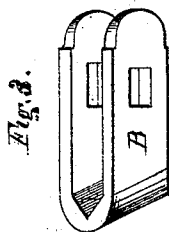
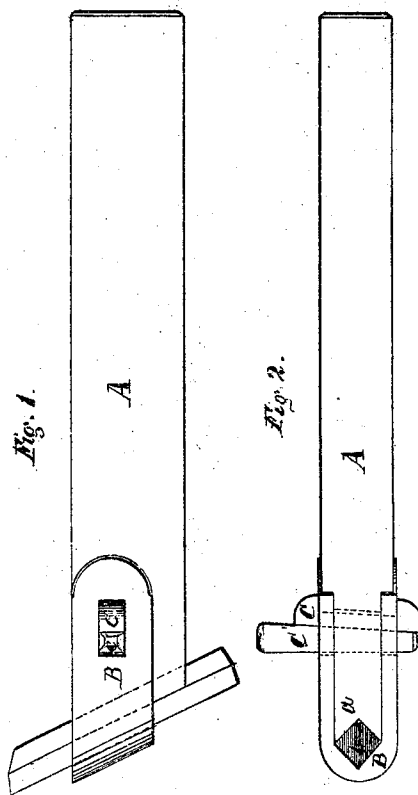


J. R. Bailey,

Tool Holder.

No. 93,580.

Patented Aug 10. 1869.



Witnesses:
Charles Heiron,
Jno. D. Patton

Inventor:
Joseph R. Bailey
By *J. E. Elmer & Co.* his attys.

United States Patent Office.

JOSEPH R. BAILEY, OF WOONSOCKET, RHODE ISLAND, ASSIGNOR TO HIMSELF AND
SELDEN A. BAILEY, OF SAME PLACE

Letters Patent No. 93,580, dated August 10, 1869.

IMPROVED TOOL-HOLDER.

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

To all whom it may concern :

Be it known that I, JOSEPH R. BAILEY, of Woonsocket, in the county of Providence, and in the State of Rhode Island, have invented new and useful Improvements in Tool-Holders for turning iron and other metals; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 represents a side elevation of the tool-holder.

Figure 2, a plan or top view of the same, in which the cutter or bit is not shown.

Figure 3, a perspective view of the strap.

The nature of my invention consists in providing a tool-holder in which the tool or bit is held in an angular groove in the end of the shank by a strap, and gib, and key, as hereinafter more fully described.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A, in the drawings, represents the shank, which may be made of cast-steel or other suitable metal.

The end where the bit is inserted is bevelled, as clearly shown in fig. 1, and is provided with an angular groove, *a*; and, for a short distance, this end is recessed out on both sides, the form of the recesses being like that of the jaws of the strap B, which embrace this end, and fit snugly in the recesses of the shank.

A rectangular, slightly-tapering hole is made in this portion of the shank, corresponding with similar holes in the jaws of the strap, in which the gib and key are inserted.

B represents the strap, of the form clearly shown in fig. 3 of the drawings. The inner side of its bevelled, rounded portion is provided with an angular groove, *b*, similar to the groove in the bevelled end of the shank, its open side being toward the jaws; so that when it is placed on the shank, a square hole will be formed, running diagonally through these two parts of the tool-holder, in which the tool or bit is inserted.

C and C' represent a gib and key of the usual form, by which the strap is drawn tightly to the bit, and the latter thus firmly secured between the strap and the shank of the tool-holder.

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

The shank, with its angular groove, the strap, with its angular groove, the gib C, and key C', in combination with a cutting-tool, substantially as and for the purpose set forth.

The above specification signed by me, this 17th day of May, 1869.

JOSEPH R. BAILEY.

Witnesses:

ALBERT G. ROBINSON,
GEORGE A. WILBUR.