

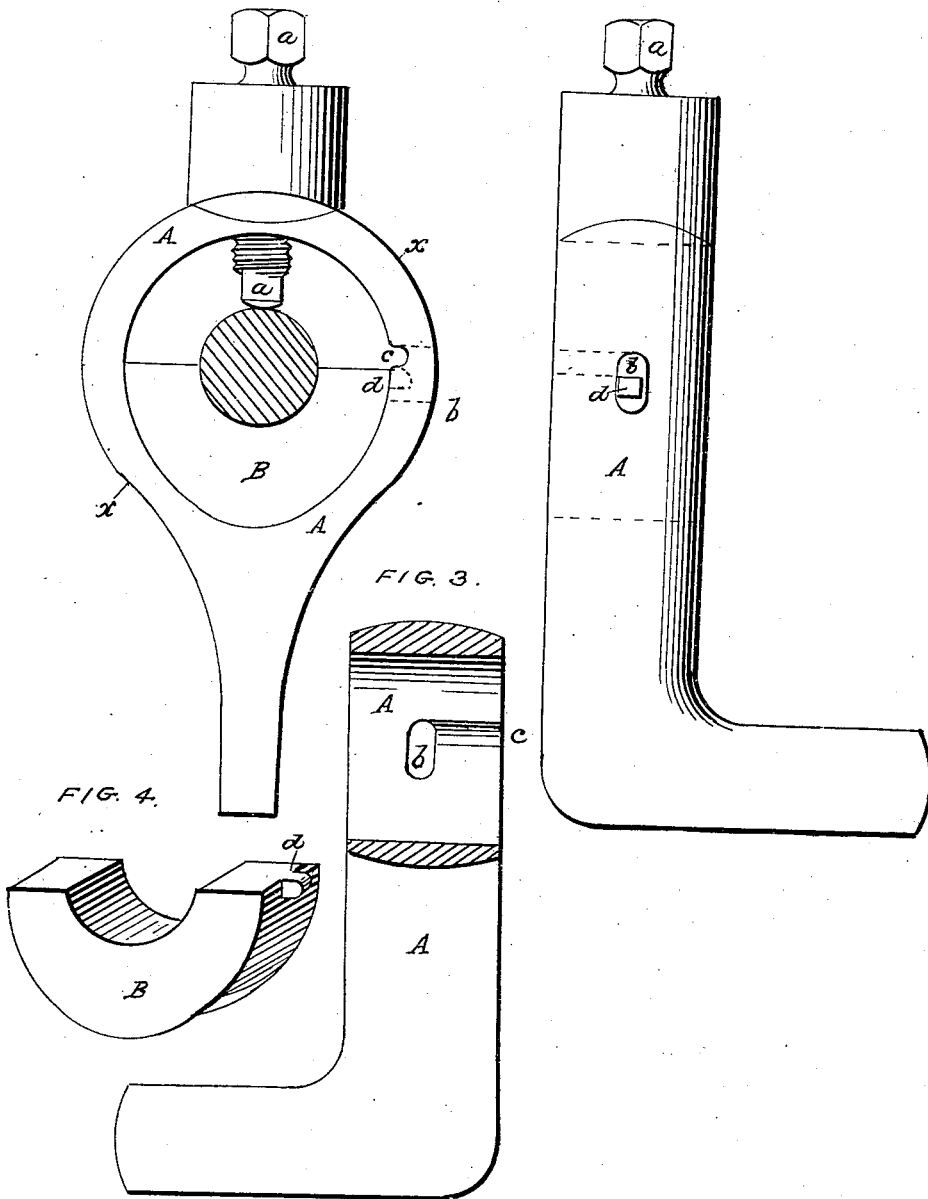
L. P. WILCOX.
Lathe Carrier.

No. 60,451.

Patented Dec. 11, 1866.

FIG. 1.

FIG. 2.



WITNESSES:
McCormy
Secretary

INVENTOR.
Luther P Wilcox

United States Patent Office.

IMPROVEMENT IN LATHE CARRIERS OR DOGS.

L. P. WILCOX, OF BROOKLYN, NEW YORK.

Letters Patent No. 60,451, dated December 11, 1866.

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, L. P. WILCOX, of Brooklyn, E. D., in the county of Kings, and State of New York, have invented a new and useful improvement in Carriers for Lathes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a portion of this specification, in which—

Figure 1 is a front elevation of a carrier, constructed according to my invention.

Figure 2 is a side elevation of the same.

Figure 3 is a transverse section taken in the line *z z* of fig. 1, and showing a portion of my invention.

Figure 4 is a detached perspective of another portion of the same.

Similar letters of reference indicate corresponding parts in all the figures.

This invention consists in a saddle or supplementary block so constructed as to be easily fitted and retained within the carrier, whereby it may be employed with much greater convenience for holding shafts or other articles of widely different diameters during the operation of turning the same than is the case with the carriers ordinarily in use.

To enable others to understand the nature and construction of my invention, I will proceed to describe it with reference to the drawings.

A represents the carrier itself, and *a* the screw thereof ordinarily employed to tighten the carrier upon the shaft or other article which it is designed to hold. Extending from the interior of this carrier through one side thereof is an oblong slot, *b*, and formed transversely to this slot in the inner surface of the carrier, and extending from one end of the said slot to one side or edge of the carrier, is a groove, *c*, the slot *b* and groove *c* being designed to act in the retention within the carrier of the saddle or supplemental block, *B*, so as to enable the said saddle to be placed within the carrier, as will be hereinafter fully set forth. This saddle is constructed as follows: The said saddle or block, *B*, has its convex surface shaped to correspond with the shape of that side or portion of the interior of the carrier *A*, opposite the tightening screw *a*, and has formed upon one of its ends an outwardly projecting spur, as shown at *d*. The saddle is pushed sidewise into the interior of the carrier with the spur *d*, passing along the groove *c*, until it enters the slot *b*, whereupon the aforesaid saddle is pushed into contact with that part of the interior surface of the carrier opposite the screw *a*, so that the convex side of the saddle being fitted upon the said surface and the spur *d*, being confined between the two sides of the slot *b*, the saddle is effectually prevented from slipping laterally from the carrier or being accidentally displaced. The innermost side or surface of the saddle is made flat with a transverse notch or recess, *e*, formed at the middle thereof, the said notch being of semi-circular form and of a size bearing some proportion to that of the shaft or article which the carrier is intended to hold. The said shaft or other article has one end placed in the notch or recess, *e*, as shown in red lines in fig. 1, and the screw, *a*, is turned or tightened upon the same with sufficient force to keep it from turning between the said screw *a*, and the saddle *B*, and the shaft or other article, together with the carrier thus attached thereto, is placed in the lathe in the ordinary or in any suitable manner. By providing the carrier with a number of saddles or supplementary blocks, *B*, having notches or recesses, *e*, of different sizes, it may be readily and conveniently adapted to hold shafts or articles of any desired diameter.

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

The saddle or supplementary block *B*, constructed and fitted to the carrier, substantially as herein set forth for the purpose specified.

LUTHER P. WILCOX.

Witnesses:

A. LE CLERC,
J. W. COOMBS.