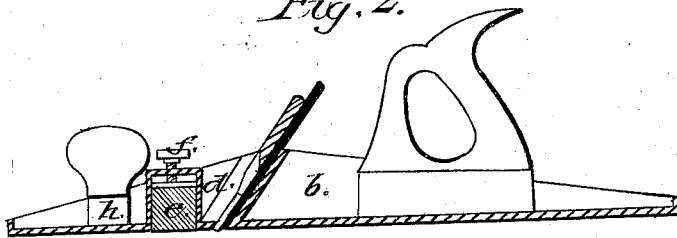


*W. Foster,*  
*Bench Plane.*

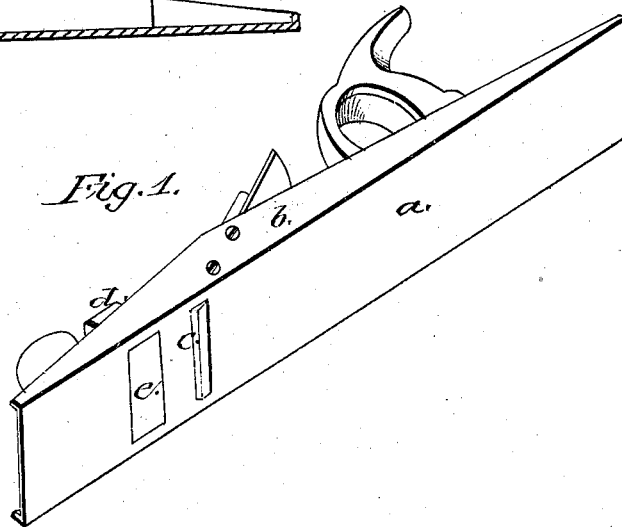
*No. 3355.*

*Patented Nov 24, 1843.*

*Fig. 2.*



*Fig. 1.*



# UNITED STATES PATENT OFFICE.

WILLIAM FOSTER, OF WASHINGTON, DISTRICT OF COLUMBIA.

## CAST-IRON PLANE-STOCK.

Specification of Letters Patent No. 3,355, dated November 24, 1843.

*To all whom it may concern:*

Be it known that I, WILLIAM FOSTER, of the city of Washington and District of Columbia, have invented a new and useful Improvement in Cast-Iron Plane-Stocks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification, in which—

Figure 1, is an isometrical view showing the under side of the plane, or face; Fig. 2, vertical section.

The nature of my invention consists in forming a recess in the face of the plane stock, into which an adjustable piece of soap stone, or other suitable material is inserted and regulated by a screw.

The face (*a*) of the plane stock is oblong and true, and of the usual form of wooden plane stocks, but only sufficiently thick for strength; from each side flanches (*b*) rise, while at the point where the plane iron is inserted is as high as a common wooden stock, from them they gradually taper off to each end. A slit (*c*) is cut across the face through which the plane iron projects, and just forward of this there is a recess (*d*) into which a piece of soap stone (*e*) or other suitable material or substance is put, the projection of which is regulated by a screw

(*f*) above, this forces it out as it wears away. Grooves are cast on the sides of the plane stock, inside from the throat up to the top to hold the plane iron and wedge; behind them is a socket projecting up from the inside of the face to hold the handle, which is made of wood in the usual way; before the recess (*d*) there is another socket (*h*) which receives a wooden knob, on which the left hand rests in planing. The material which is inserted in the recess (*d*) occasions the plane to run light and easy, thus rendering it the most efficient plane stock made for durability, economy and convenience. The recess (*d*) may be formed if desired before the socket (*h*) instead of behind as before explained and described.

Having thus fully described my cast iron plane stock, what I claim as new and desire to secure by Letters Patent is—

The recess (*d*) formed in front of the plane iron, or of the forward handle, in the face of the cast iron plane and filled with soap stone or other suitable material, which is regulated by a screw substantially in the manner, and for the purpose herein explained.

WILLIAM FOSTER.

Witnesses:

J. J. GREENOUGH,  
L. CALDWELL.