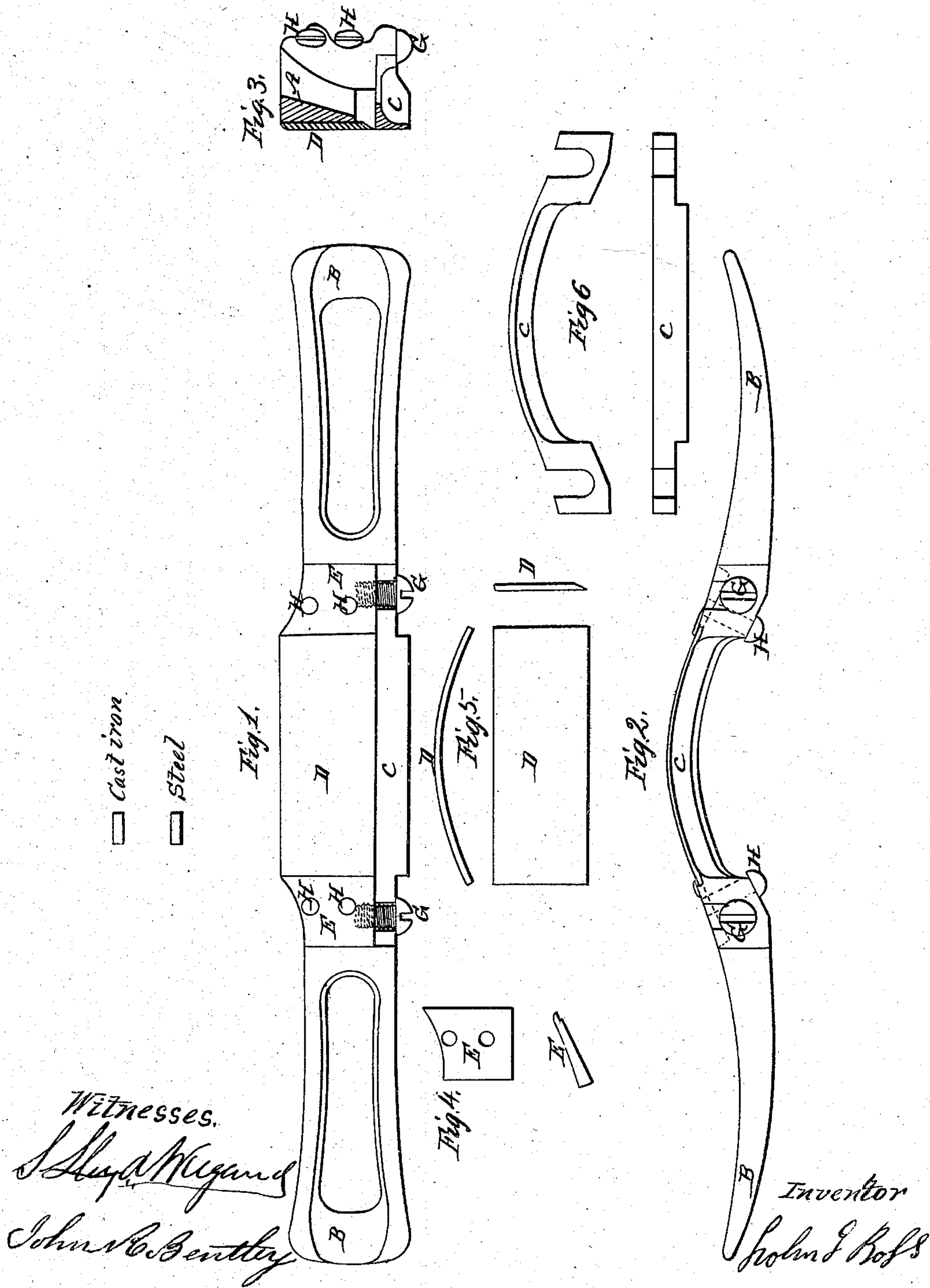


No. 48,448.

PATENTED JUNE 27, 1865.

J. G. ROSS,  
HEEL SHAVE



# UNITED STATES PATENT OFFICE.

JOHN G. ROSS, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVED HEEL-SHAVE.

Specification forming part of Letters Patent No. 48,448, dated June 27, 1865.

*To all whom it may concern:*

Be it known that I, JOHN G. ROSS, of the city of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in an Implement for Shaving the Heels of Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the drawings annexed and forming part of this specification, and the letters of reference marked thereon.

The nature of invention consists in applying an adjustable blade to that class of heel-shaving implements which have an adjustable guard, which blade can be removed and sharpened, and when worn out replaced with a new one.

Figure 1 represents a top view. Fig. 2 represents a side view, and Fig. 3 represents a transverse section. The remaining figures exhibit the several parts in detail.

A is the center or body of the stock, made of metal, and cast in one piece with the handles B and B. C is a guard, attached by screws G and G passing through slots. D is the blade, secured to the stock A by means of the clamps E E, secured by the screws H H H and H to the stock A.

The clamps E E are represented in Fig. 4.

The blade D is shown in Fig. 5, and is simply a rectangular plate of steel curved to conform to the shape of the convex side of the stock A, and beveled to a cutting-edge from the concave side upon the edge nearest the guard C.

The guard C is shown separately in Fig. 6, and is slotted to permit of adjustment, so as to regulate the thickness of shaving cut by the blade. The blade D is adjustable by sliding toward or from the guard C, and is secured in position by tightening the clamps E E by means of the screws H H H and H. The advantages derived from this adjustability of the blade are threefold: first, the blade can be removed to sharpen it; second, it can be replaced when worn out; and, third, the width of opening between the guard and cutting-edge can be regulated with facility.

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

The adjustable blade, combined with the adjustable guard of heel-shaving tools, when constructed and operating substantially in the manner hereinbefore set forth and specified.

JOHN G. ROSS.

Witnesses:

S. LLOYD WIEGAND,  
JOHN R. BENTLEY.