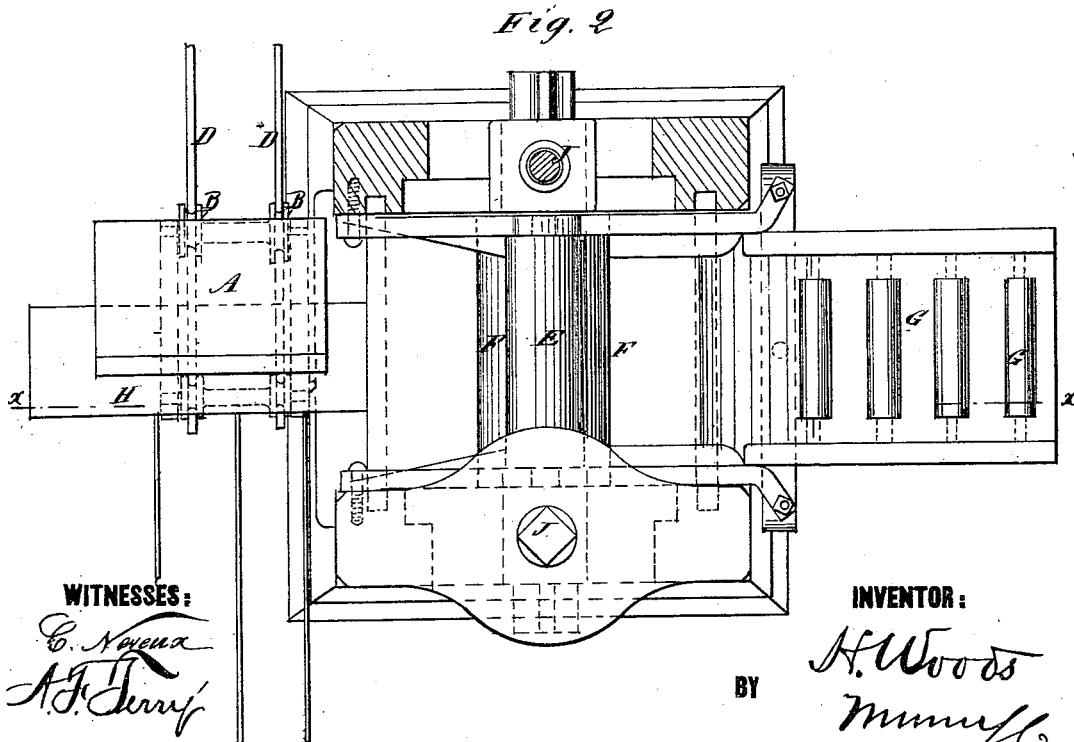
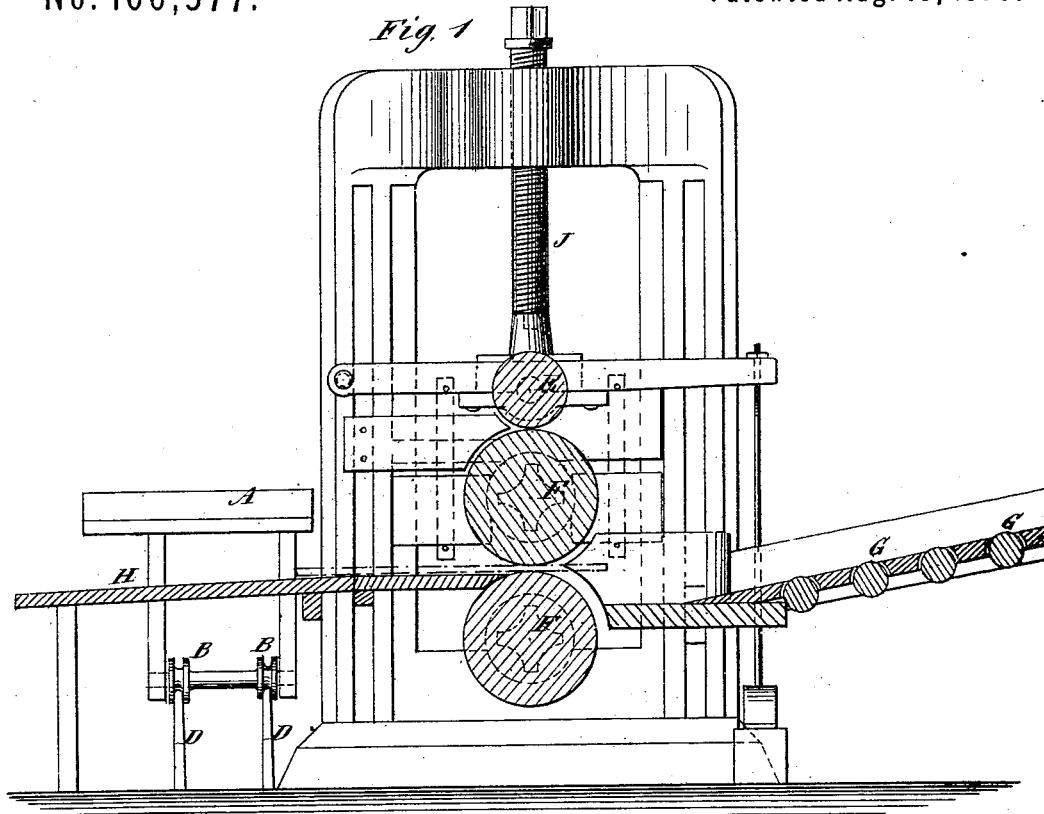


H. WOODS.  
machine for Rolling Nail-Plates.

2 Sheets--Sheet 1.

No. 166,577.

Patented Aug. 10, 1875.



WITNESSES:  
*C. Noyes*  
*A. J. Terry*

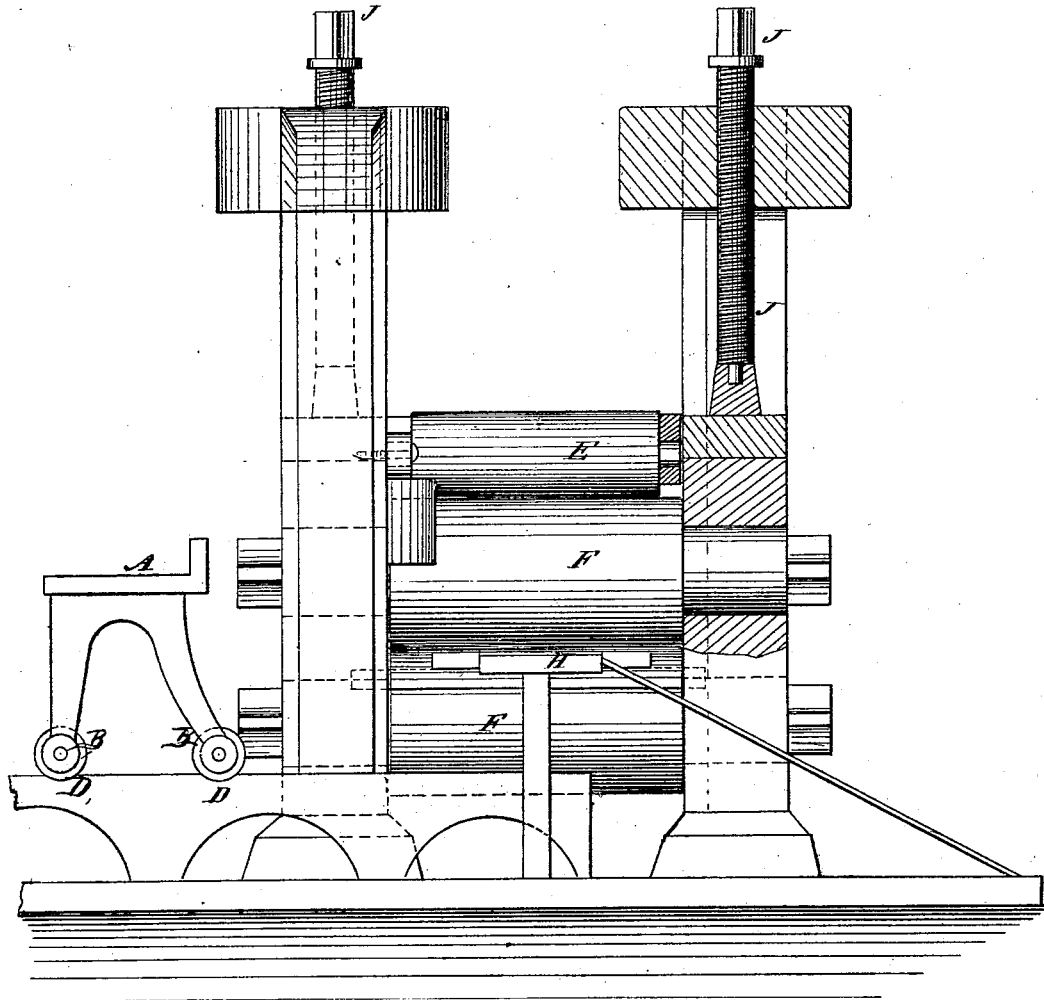
INVENTOR:  
*H. Woods*  
BY *Munnell*  
ATTORNEYS.

H. WOODS. 2 Sheets--Sheet 2.  
Machine for Rolling Nail-Plates.

No. 166,577.

Patented Aug. 10, 1875.

Fig. 3



WITNESSES:

*C. Novice*  
*A. J. Terry*

INVENTOR:

*H. Woods*

BY

*Munnell*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

HIRAM WOODS, OF NEWCASTLE, PENNSYLVANIA, ASSIGNOR TO HIMSELF  
AND WILLIAM F. MERRIMAN, OF SAME PLACE.

## IMPROVEMENT IN MACHINES FOR ROLLING NAIL-PLATES.

Specification forming part of Letters Patent No. 166,577, dated August 10, 1875; application filed  
June 12, 1875.

*To all whom it may concern:*

Be it known that I, HIRAM WOODS, of Newcastle, in the county of Lawrence and State of Pennsylvania, have invented a new and Improved Nail-Plate Roll, of which the following is a specification:

Figure 1 of drawing is a vertical longitudinal section; Fig. 2, a plan view; and Fig. 3, a front elevation, partly in section.

Similar letters of reference indicate corresponding parts.

I propose to have a movable table, A, on wheels B, to fetch the plate from the roughing-rolls on rails D to the catcher's side, and present it to the self-feeding roll E, above the upper roll F, to be carried over to the roller's side and onto the inclined feeding-table G, the movable table A being in practice high enough for the feeding-roll to receive the plate directly from it without the aid of the "hooker-up" commonly employed to raise it up. This movable table will come up to table H, and deliver its plates in the intervals between the delivery of the rolled plates, so as not to interfere with them. The feed-roll E is, in this example, provided with adjusting-screws J, to regulate it for the thickness of the plates; but it may be contrived with springs instead, the springs being arranged to act directly on

it or through levers in which the roll is journaled. Besides taking the plate from the movable table without the aid of the "hooker-up," the roll E delivers the plate without the aid of the hand, termed the "drawer-over," usually employed on the roller's side, beside the "roller" man, who adjusts the plate after it is received on the bed G and gives it to the rolls. The roll E also acts as a polisher to the roll F, on which it runs when the plate is not passing.

In the particular operation of these machines it is necessary to deliver the plates from the roughing-rolls on the catcher's side instead of the rollers, for affording the roller man more time and liberty to attend to his part of the work; hence the necessity of the "hooker-up" and "drawer-over," or the substitute which I propose.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of a movable feed-table, A, with the drawer-over roll E and a pair of nail-plate rolls, substantially as specified.

HIRAM WOODS.

Witnesses:

AARON L. HAZEN,  
GEO. W. VEACH.