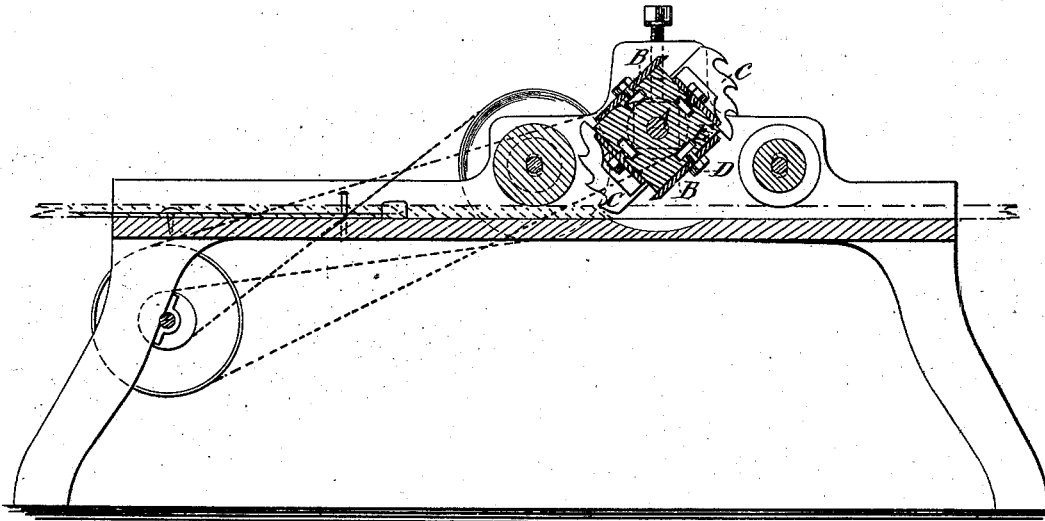


H. C. HOLLOWAY  
Planing-Machine.

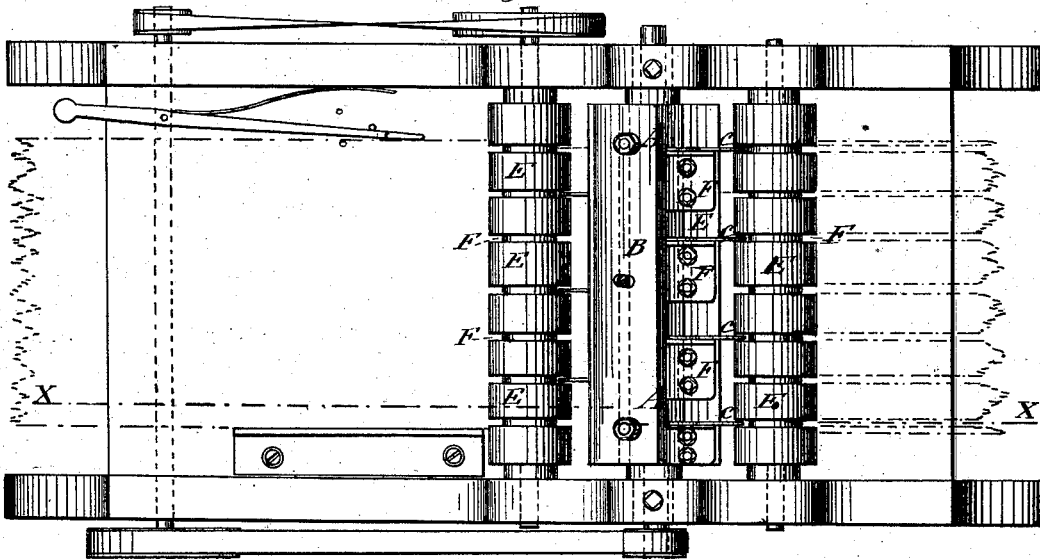
No. 164,739.

Patented June 22, 1875.

*Fig. 1*



*Fig. 2*



WITNESSES:

*C. Neveux*  
*A. J. Terry*

INVENTOR:

*Henry C. Holloway*  
BY *Wm. H. ...*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

HENRY C. HOLLOWAY, OF SAN DIEGO, CALIFORNIA, ASSIGNOR TO HIMSELF AND JOHN S. HARBISON, OF SAME PLACE.

## IMPROVEMENT IN PLANING-MACHINES.

Specification forming part of Letters Patent No. **164,739**, dated June 22, 1875; application filed March 1, 1875.

*To all whom it may concern:*

Be it known that I, HENRY C. HOLLOWAY, of San Diego, San Diego county, California, have invented an Improvement in Planing-Machine, of which the following is a specification:

My invention consists particularly in attaching angle-plates to the slitting-saws, whereby they are secured radially to the plane-carrying cylinder, as hereinafter described.

Figure 1 is a longitudinal sectional elevation of my improved machine, and Fig. 2 is a plan view.

A is the rotary plane-carrying cylinder of a surfacing-machine, and B the cutters thereof. This cylinder is generally made with four plane sides, on two of which the planes or cutters B are attached, leaving two other sides unoccupied, on which the radial saws C are applied. These saws slit and edge the stuff as it passes under the cylinder. Each saw is attached by means of a right-angled plate, F, and screw-bolts D. The latter have heads on

their inner ends, which are inserted in dovetailed or undercut grooves or slots E, formed in the sides of the cylinder, and extending from end to end thereof. This means of attachment is a firm and secure one, and admits of convenient and quick adjustment of the saws along the cylinder, so that they may be caused to slit the stuff into pieces of any desired width. The saws may also be removed from the cylinder with like facility, when repair, substitution, or other necessity requires.

Disclaiming the employment of slitting-saws in connection with planing-cylinders,

What I assert as my invention is—

The angle-plates F, in combination with the slitting-saws C, bolts D, and grooved plane-carrying cylinder, all constructed and arranged as and for the purpose specified.

HENRY C. HOLLOWAY.

Witnesses:

G. N. FITCHCOCK,  
HENRY HEMPHILL.