

(No Model.)

C. F. HARLOW & E. E. ANGELL.  
COMBINED ADJUSTABLE PRESSER FOOT AND GAGE FOR  
SEWING MACHINES.

No. 350,740.

Patented Oct. 12, 1886.

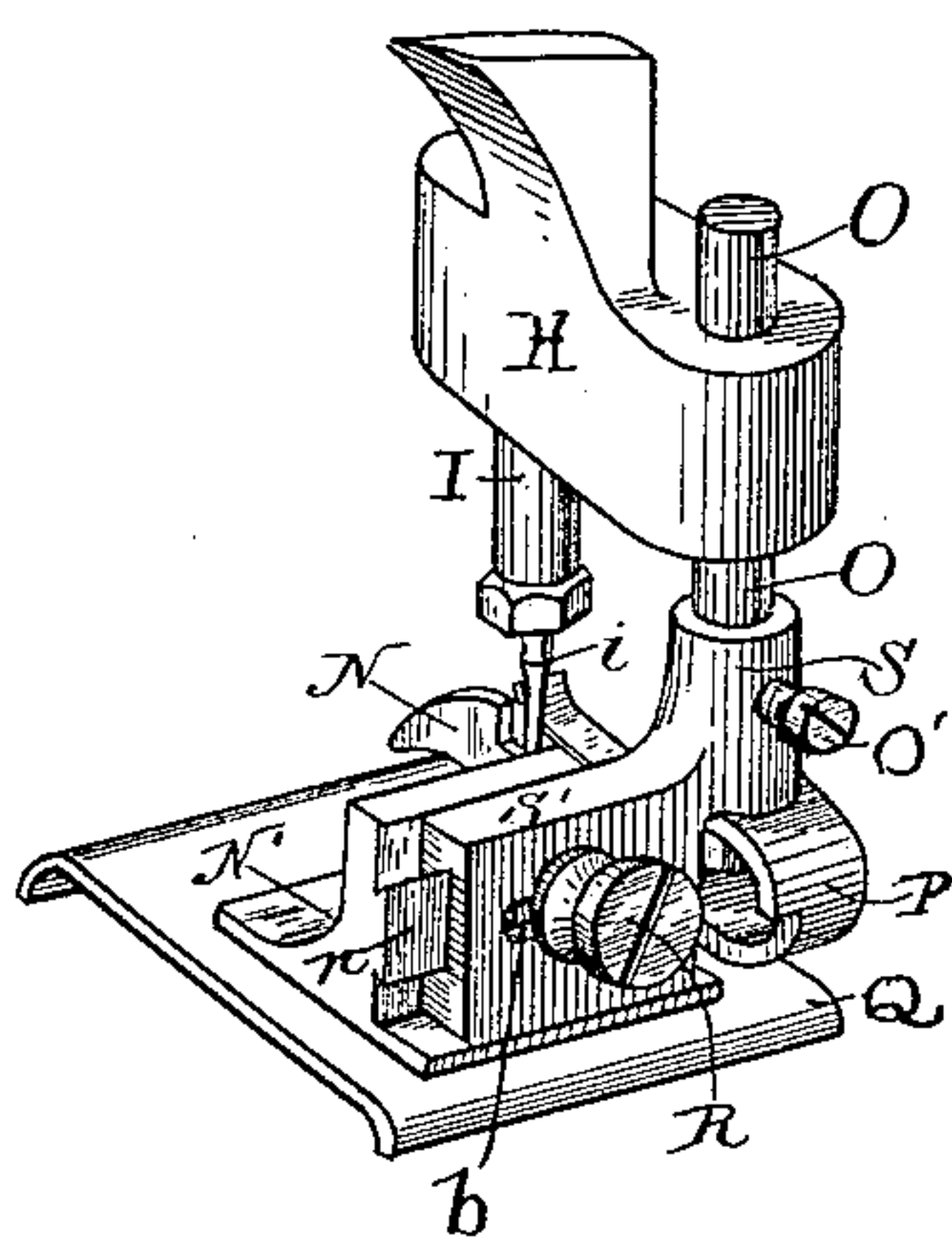


Fig. 1.

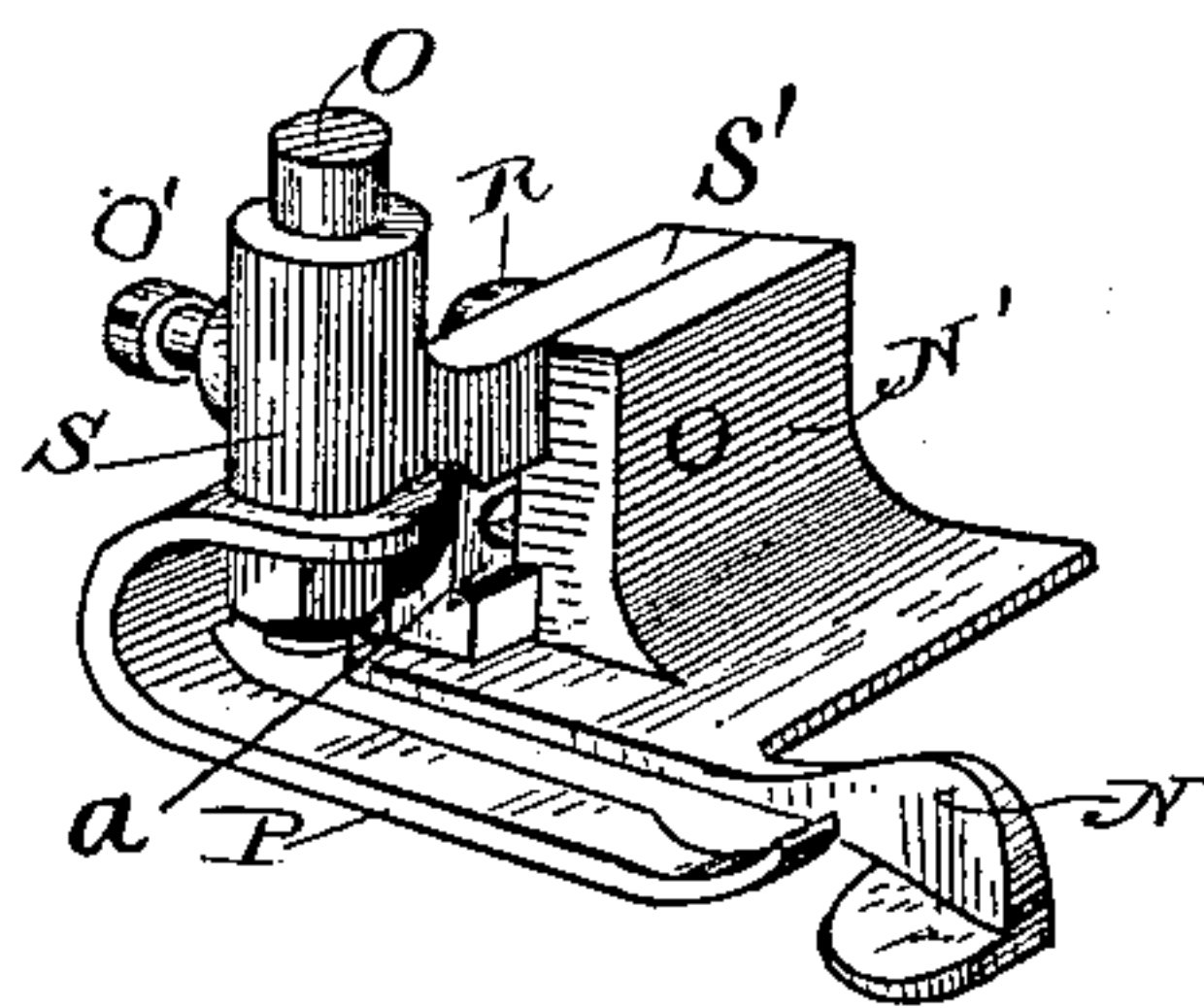


Fig. 2.

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# UNITED STATES PATENT OFFICE.

CHARLES F. HARLOW AND EDWIN E. ANGELL, OF MALDEN, ASSIGNORS TO  
THE GLOBE SEWING MACHINE COMPANY, OF BOSTON, MASSACHUSETTS.

COMBINED ADJUSTABLE PRESSER-FOOT AND GAGE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 350,740, dated October 12, 1886.

Application filed October 10, 1885. Serial No. 179,503. (No model.)

*To all whom it may concern:*

Be it known that we, CHARLES F. HARLOW and EDWIN E. ANGELL, of Malden, in the county of Middlesex and State of Massachusetts, have jointly invented a new and useful  
5 Combined Presser-Foot and Gage for Sewing-Machines, of which the following, taken in connection with the accompanying drawings, is a specification.

10 The object of this improvement is to provide an adjustable presser-foot and gage especially adapted for use in machines for sewing straw braid in the manufacture of hats, &c. In this class of work a constant change of direction in  
15 the seam is required, and quite considerable variations in thickness and character of the stock will occur.

20 In the drawings, Figure 1 is a perspective view of our invention as seen from the rear, and Fig. 2 is a front view of the same.

H denotes a portion of the head of a sewing-machine; I, the needle-bar; *i*, the needle; Q, the work-plate, and O the presser-bar carrying an ordinary presser-foot, P.

25 S denotes a vertically-adjustable sleeve surrounding the presser-bar, and secured thereto by a set-screw, O', said sleeve having a laterally-extending arm, S'. The arm S' is provided with a groove, *a*, in which fits a rib, *n*,  
30 on a block, N', said block being adapted to serve as a supplemental presser-foot, and carrying a gage, N, for the entering strip of braid. The block N' is secured to the arm S' preferably by a set-screw, R, passing through a slot,  
35 *b*, in said arm, said slot permitting the said block N' to be adjusted laterally on the said arm S'.

The block or supplemental presser-foot N' may be adjusted vertically on the presser-bar

O, to accommodate varying thicknesses of 40 braid, by means of the sleeve S and set-screw O', as will be obvious, and the gage, which is horizontally movable with the block or supplemental presser-foot N', may be adjusted to  
45 different positions laterally, to accommodate different widths of braid, by means of the rib-and-groove connections of the said block with the arm S', and the set-screw R passing through the slot in said arm.

Having thus described our invention, we 50 claim and desire to secure by Letters Patent—

1. The combination, with a sleeve fitted to embrace a presser-bar and provided with a laterally-extending arm, of the block N', adapted to serve as a supplemental presser-foot and  
55 having a longitudinally-sliding connection with said arm, a gage, N, movable with said block, and devices for securing said block and sleeve in place after adjustment, substantially  
60 as set forth.

2. The combination, with the presser-bar O and the presser-foot P, of the block or supplemental presser-foot N', carrying the gage N, the vertically-adjustable sleeve S, having the  
65 laterally-extending arm S', with which the said block or foot has a rib-and-groove sliding connection, and the set-screws O' and R, for securing said sleeve and block or foot in place after adjustment, substantially as set forth.

In testimony whereof we have signed our 70 names to this specification, in the presence of two subscribing witnesses, on this 8th day of October, A. D. 1885.

CHARLES F. HARLOW.  
EDWIN E. ANGELL.

Witnesses:

A. H. SPENCER,  
C. G. KEYES.