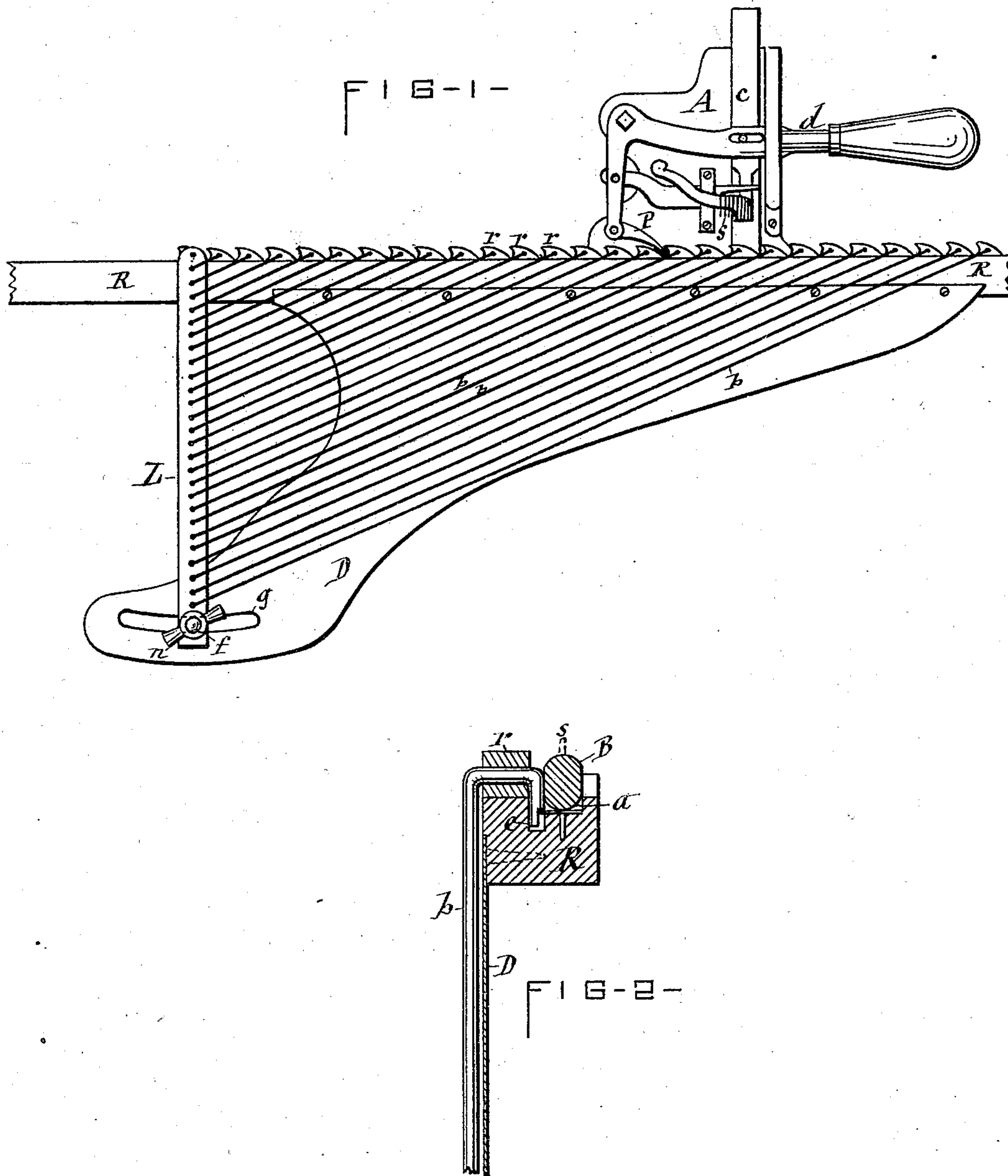


(No Model.)

S. VAN AUKEN.
WIRING BLIND STILES.

No. 294,098.

Patented Feb. 26, 1884.



ATTEST—

Wm. C. Raymond
for Recorder

INVENTOR—

Sidney Van Auker
per Hunt, Laess & Hey
his Attyys

UNITED STATES PATENT OFFICE.

SIDNEY VAN AUKEN, OF OSWEGO, NEW YORK.

WIRING BLIND-STILES.

SPECIFICATION forming part of Letters Patent No. 294,098, dated February 26, 1884.

Application filed January 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, SIDNEY VAN AUKEN, of Oswego, in the county of Oswego, in the State of New York, have invented new and
5 useful Improvements in Gages for Setting Staples in Blind-Rods, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

10 This invention relates to the gages employed in connection with the machines generally used for driving the staples into blind-rods, said gages being moved automatically with the staple-driving machine and carrying the
15 blind-rod intermittently the requisite distances to receive the staples in the desired position.

Inasmuch as the distances between the staples of different rods vary with the spacing
20 of the slats in different blinds, it is necessary to change the gage accordingly; and this has heretofore been effected by forming a separate gage for each change in the aforesaid spacing.

25 It is to obviate this expense and inconvenience which my invention has for its object; and to that end it consists in the adjustable gage hereinafter fully described, and specifically set forth in the claim.

30 In the annexed drawings, Figure 1 is a front elevation of my invention; and Fig. 2 is a transverse section of the same, the staple-driving machine being omitted in the latter view.

35 A represents one of the usual and well-known staple-driving machines, in which a plunger, *c*, operated by a lever, *d*, forces the staples *s* into the blind-rod *B*, arranged under said plunger.

40 In front of the staple-driver *A* is a horizontal rail, *R*, arranged to slide longitudinally on a suitable support, which is usually on the table on which the machine *A* is mounted, and does not require an illustration here.

45 Said rail is provided with a longitudinal groove or way, *a*, for the reception of the blind-rod to be stapled, and in front of this way are a series of ratchet-teeth, *r r*, which are separated from each other and mounted
50 movably on the rail *R*.

At the end of the series of ratchet-teeth a pendent lever, *L*, is pivoted, either to the rail or to the first of the teeth *r*.

From equidistant points on the lever *L* to the successive ratchet-teeth *r r* are extended
55 rods *b b*, which are movably connected therewith, so that by swinging the lever *L* the ratchet-teeth receive a longitudinal movement which carries said teeth a greater or less
60 distance apart and at such a ratio as to render the distances between them invariably uniform. The end of the rods *b* which passes through the ratchet-teeth *r* is bent downward at the rear of the teeth and made to enter a
65 longitudinal groove, *e*, in the rail *R*, as illustrated in Fig. 2 of the drawings, thereby holding the ratchet-teeth on the rail. The lever
70 *L* is adjustably secured in its requisite position by means of a bolt, *f*, which passes through a segmental slot, *g*, in a plate, *D*,
firmly attached in a pendent position to the rail *R*, and a clamping-nut, *n*, on the bolt *t* serves to fasten the lever on the plate *D*.

On the operating-lever *d* of the staple-driver *A* is pivoted a pawl, *P*, which engages
75 with the ratchet-teeth automatically with the operation of said lever.

By setting the ratchet-teeth *r r* a distance apart to correspond to the distance required
80 between the staples to be driven, the pawl *P* is caused to move the rail *R*, so as to carry the blind-rod intermittently under the plunger *e* of the staple-driver *A*, and allow the latter to apply the staples to the rod in the
85 required position.

What I claim as new, and desire to secure by Letters Patent, is—

In combination with the staple-driver *A*, provided with a pawl, *P*, the within-described
90 gage, consisting of the rail *R*, provided with the way *a* for the reception of the blind-rod, a series of separate rack-teeth, *r r*, mounted movably on said rail, the pivoted lever *L*, connected with the respective rack-teeth by a series of rods, *b b*, and a clamping device for
95 confining the lever in its requisite position, substantially as described and shown.

In testimony whereof I have hereunto signed my name and affixed my seal, in the presence
100 of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 11th day of December, 1883.

SIDNEY VAN AUKEN. [L. s.]

Witnesses:

FREDERICK H. GIBBS,
C. H. DUELL.

Correction in Letters Patent No. 294,098.

It is hereby certified that in Letters Patent No. 294,098, granted February 26, 1884, upon the application of Sidney Van Auken, of Oswego, New York, for an improvement in "Wiring Blind-Rods," an error appears requiring the following correction, viz: The title of the invention was written and printed "Wiring Blind-Stiles," instead of *Wiring Blind-Rods*; and that this correction should be read in the Letters Patent, wherever the title appears to make the same conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 4th day of March, A. D. 1884.

[SEAL.]

M. L. JOSLYN,
Acting Secretary of the Interior.

Countersigned:

BENJ. BUTTERWORTH,
Commissioner of Patents.