S. J. AUSTIN.
Platform-Scales.

No. 200,683. Patented Feb. 26, 1878.

FIG. 1.

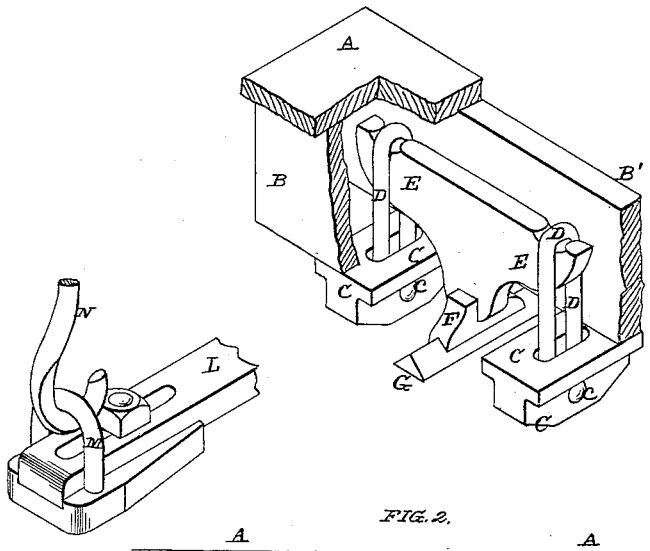
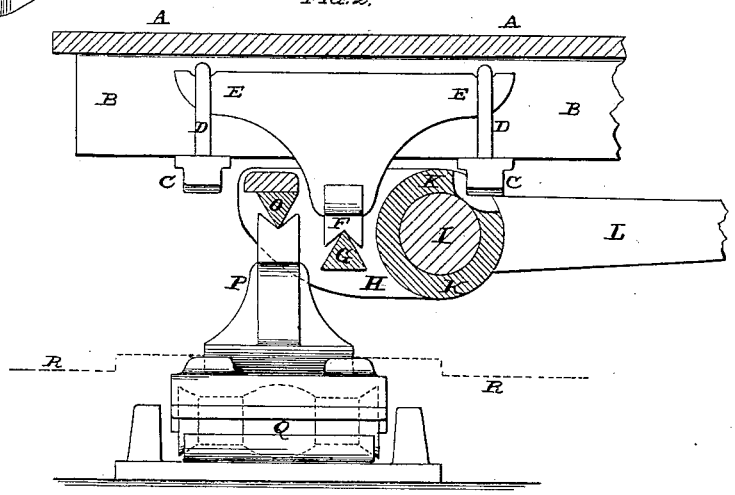


FIG. 2.



ATTEST:

Robert Burns
Chas. Hall.

INVENTOR:

Stephen J. Austin
By Knight Bros
Attys.

UNITED STATES PATENT OFFICE.

STEPHEN J. AUSTIN, OF LITCHFIELD, ILLINOIS.

IMPROVEMENT IN PLATFORM-SCALES.

Specification forming part of Letters Patent No. **200,683**, dated February 26, 1878; application filed June 21, 1877.

To all whom it may concern:

Be it known that I, STEPHEN J. AUSTIN, of Litchfield, in the county of Montgomery and State of Illinois, have made certain new and useful Improvements in Platform-Scales, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My improvement relates to the corner bearing of the platform upon the lever-frames on which the platform is supported.

My improvement consists in an arm whose rear end is provided with a knife-edge for supporting the platform, said knife-edge being located between the bearing-bar and bearing-block.

In the drawings, Figure 1 is a perspective view of my improvement. Fig. 2 is a section, showing the bearing I in elevation.

A is the floor of the platform, resting on beams B B′, which are supported at each corner upon link-blocks C C, hung on links D, the pin *c* passing through the block and the link. The two links D D are upon the arms of E E, T-formed bearing-block, or T, which has a saddle, F, extending at a right angle to the arms E E, so as to prevent the T from swaying in a direction sidewise to the arms E. The saddle F rests upon a knife-edge, G, fixed in an arm, H, extending from sleeve K, fixed to the bar I. The bar I connects together two of the corner bearings, and has a long arm, L, ending in an adjustable bearing-staple, M, for the bottom of rod N, through which communication is made with the scale-beam. O is a knife-edge, which is fixed in the arm H at a point nearer the end of said arm than the knife-edge G, and this knife-edge O rests on the bearing-block P, supported on the foundation R, either directly, as shown in dotted lines, or through medium of rollers Q Q.

It will be observed that with the described manner of supporting the platform no horizontal movement will tend to move the knife-edge bearings, and thus they will be preserved from wear.

I claim as my invention—

The bar L, having an arm, H, provided with a knife-edge, G, intermediate of the bearing-bar I and bearing P, sleeve K, and knife-edge O, in combination with the platform A B, T-piece constructed with arms E E and saddle F, and the links D D, adapted to engage with pins *c c* of blocks C C, all arranged in the manner specified, substantially as set forth.

STEPHEN J. AUSTIN.

In presence of—

BENJAMIN S. HOOD,

W. E. BACON.