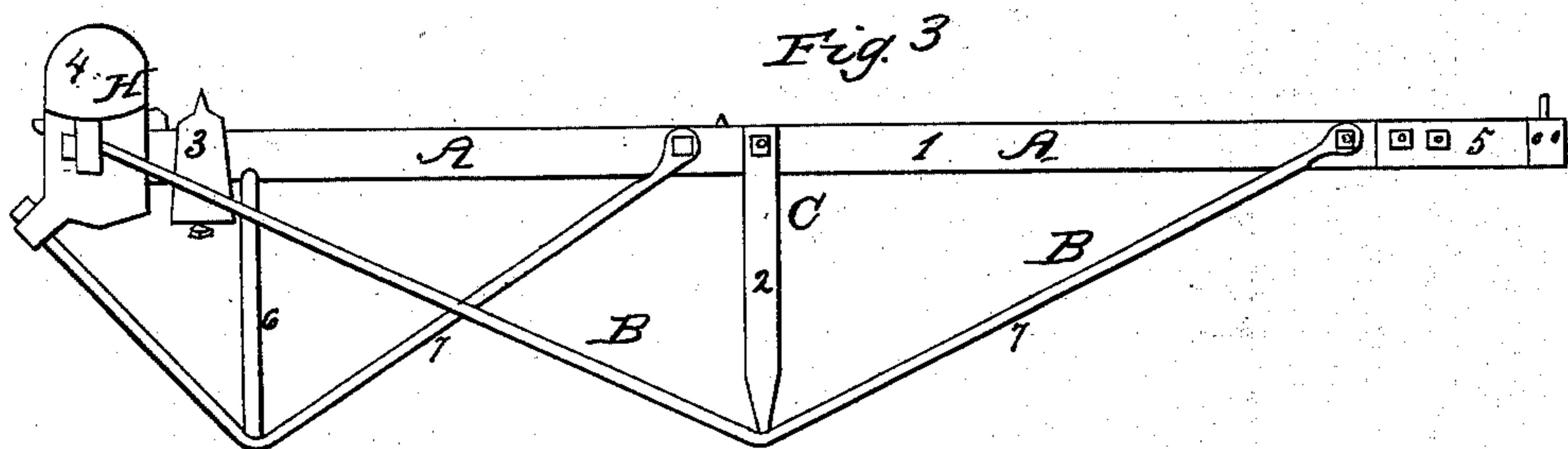
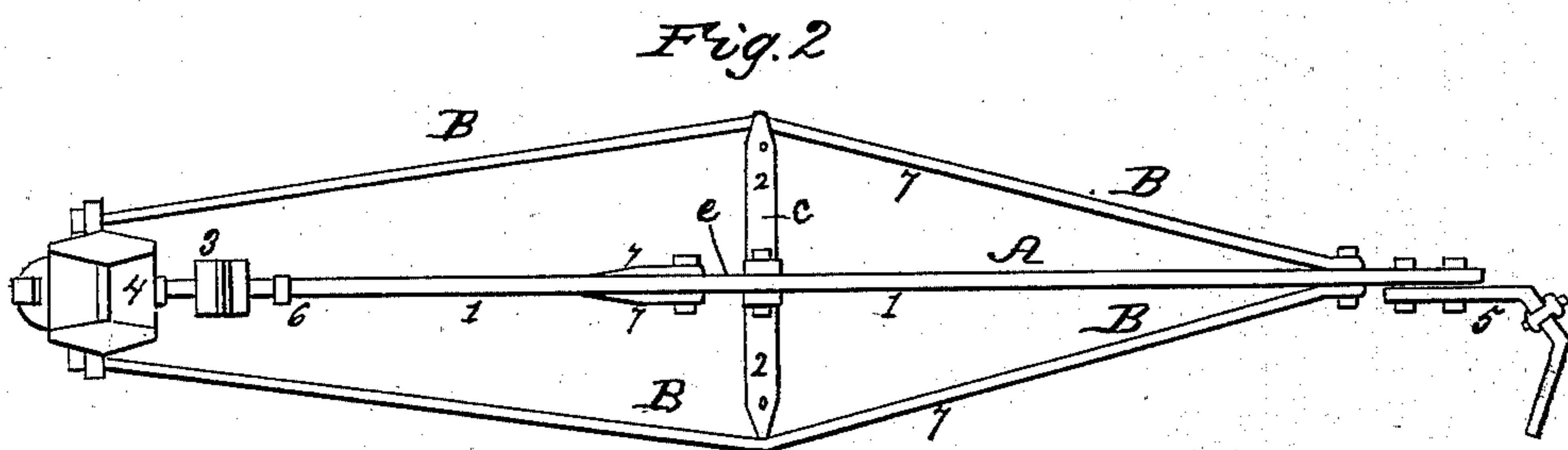
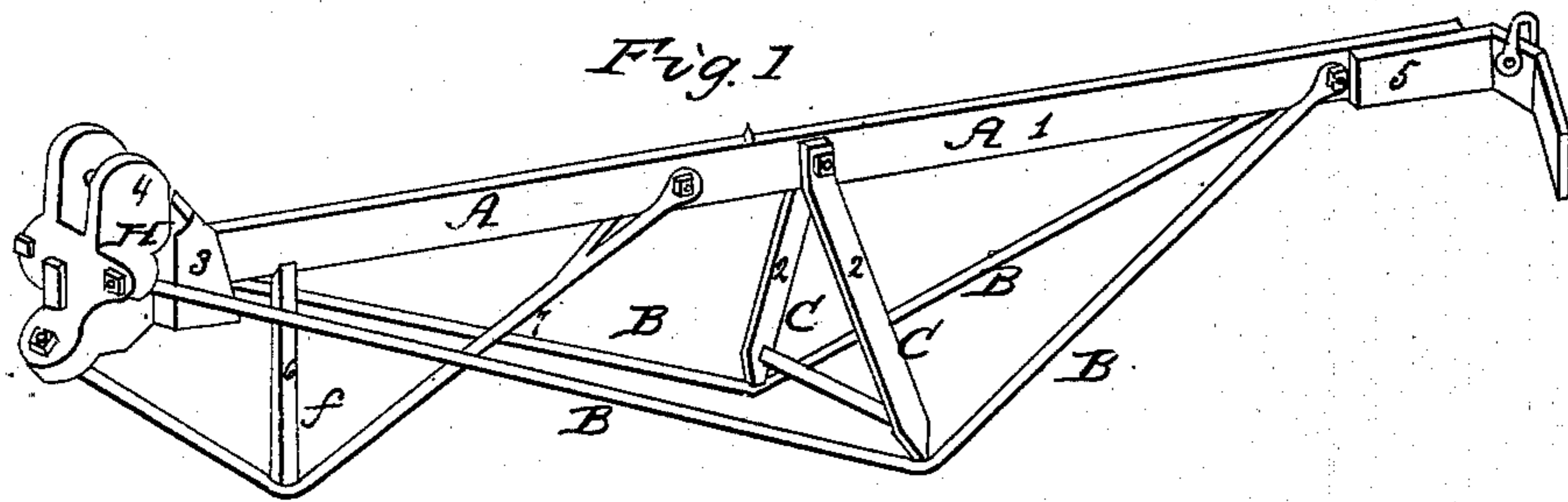


A. B. MOREY.  
Platform Scale.

No. 26,512.

Patented Dec. 20, 1859.



WITNESSES  
*W. H. May*  
*Amos Beocenny*

INVENTOR  
*A. B. Morey*

# UNITED STATES PATENT OFFICE.

AMOS B. MOREY, OF ST. LOUIS, MISSOURI.

## PLATFORM-SCALE.

Specification of Letters Patent No. 26,512, dated December 20, 1859.

*To all whom it may concern:*

Be it known that I, AMOS B. MOREY, of the city and county of St. Louis and State of Missouri, have invented a new and useful Improvement in Platform-Scale Levers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, making part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 a top view and Fig. 3 a side elevation.

My invention consists of a new way of constructing and bracing the lever of a platform scale, and will be understood from the following description.

A represents the principal bar constituting the lever, which consists of a flat bar of iron of the form shown and which is strengthened, and supported in the vertical and lateral direction by the application of the two braces B B, which are applied in a peculiar manner, to wit, with one end of each of the said braces applied to the side of the main lever—and in contact with it, and with the other end of each of the said braces, applied, and secured to the head or fixed upon the end of the main lever in the manner shown so as to spread the inside end of the braces, and to increase their efficiency in the lateral direction, and to increase the efficiency of these braces in this direction still more and at the same time to cause them to brace the beam vertically

the triangular braces *c c* and *d* are applied to the main lever, A and the braces, B B, so as to spread the braces as shown, and thus truss the lever in the center in both directions. This system of bracing prevents the lever from bending sidewise or down in the center. Now to prevent the beam from bending down at the back end the brace *e* is applied to the head and the lever, as shown, and trussed with the truss *f*, which thus completes the construction.

Now the object of this invention is to make a stronger and stiffer lever than has hitherto been made, with half the material, and weight, than has hitherto been used in making platform scales—and I claim that this object is accomplished in the above described method of making and bracing the lever.

I am aware that truss braces have been applied to beams, in bridges and roofs, and to the connecting rods of steam engines in different ways and for different purposes. I do not therefore claim the application of truss braces to a lever or beam broadly, but

I claim—

The specific arrangement of the braces B B, *c c*, *d*, *e* and *f*, with the lever A and the head H as shown and described.

A. B. MOREY.

Witnesses:

W. E. GRAY,  
AMOS BROADNAX.