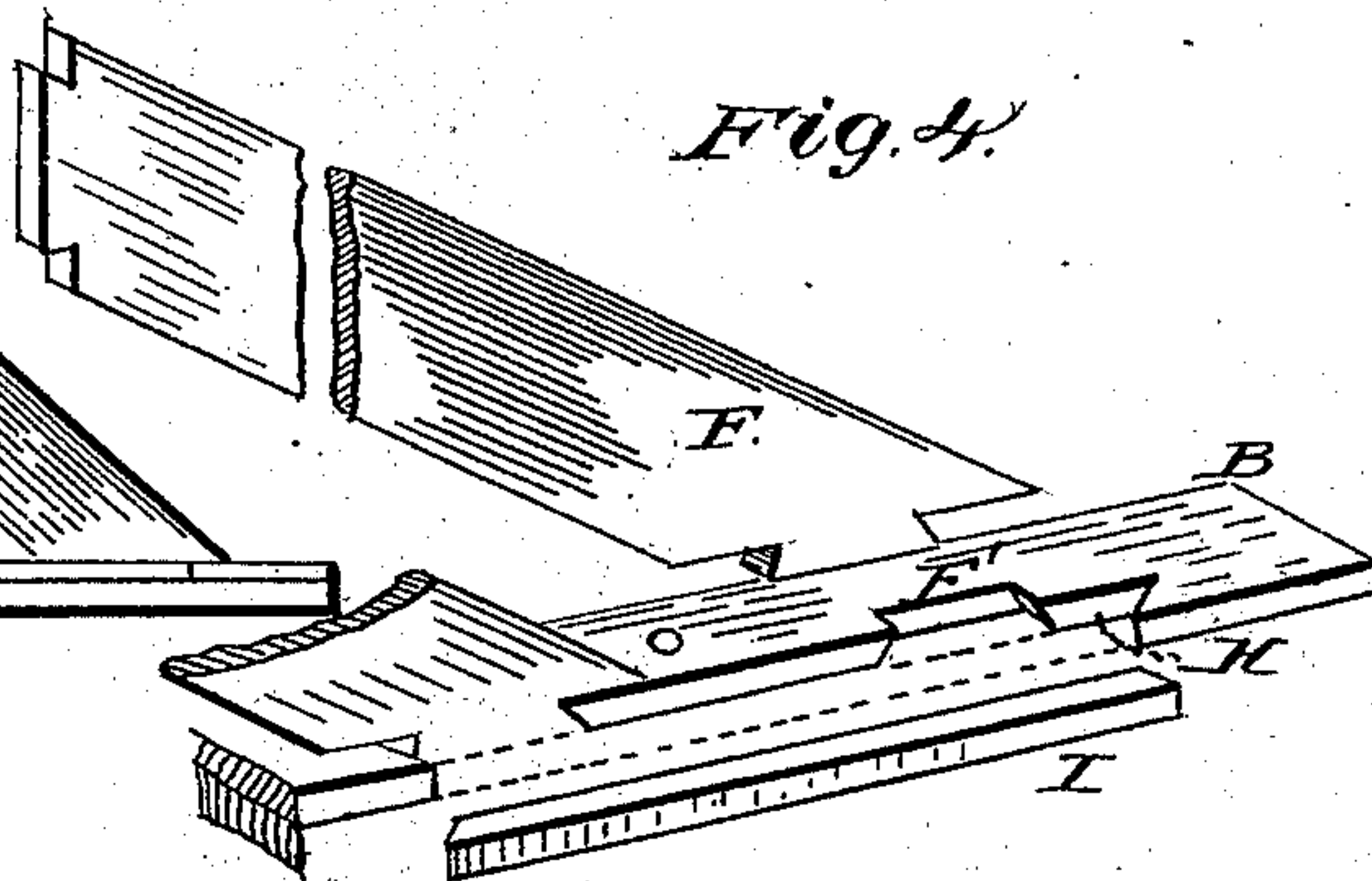
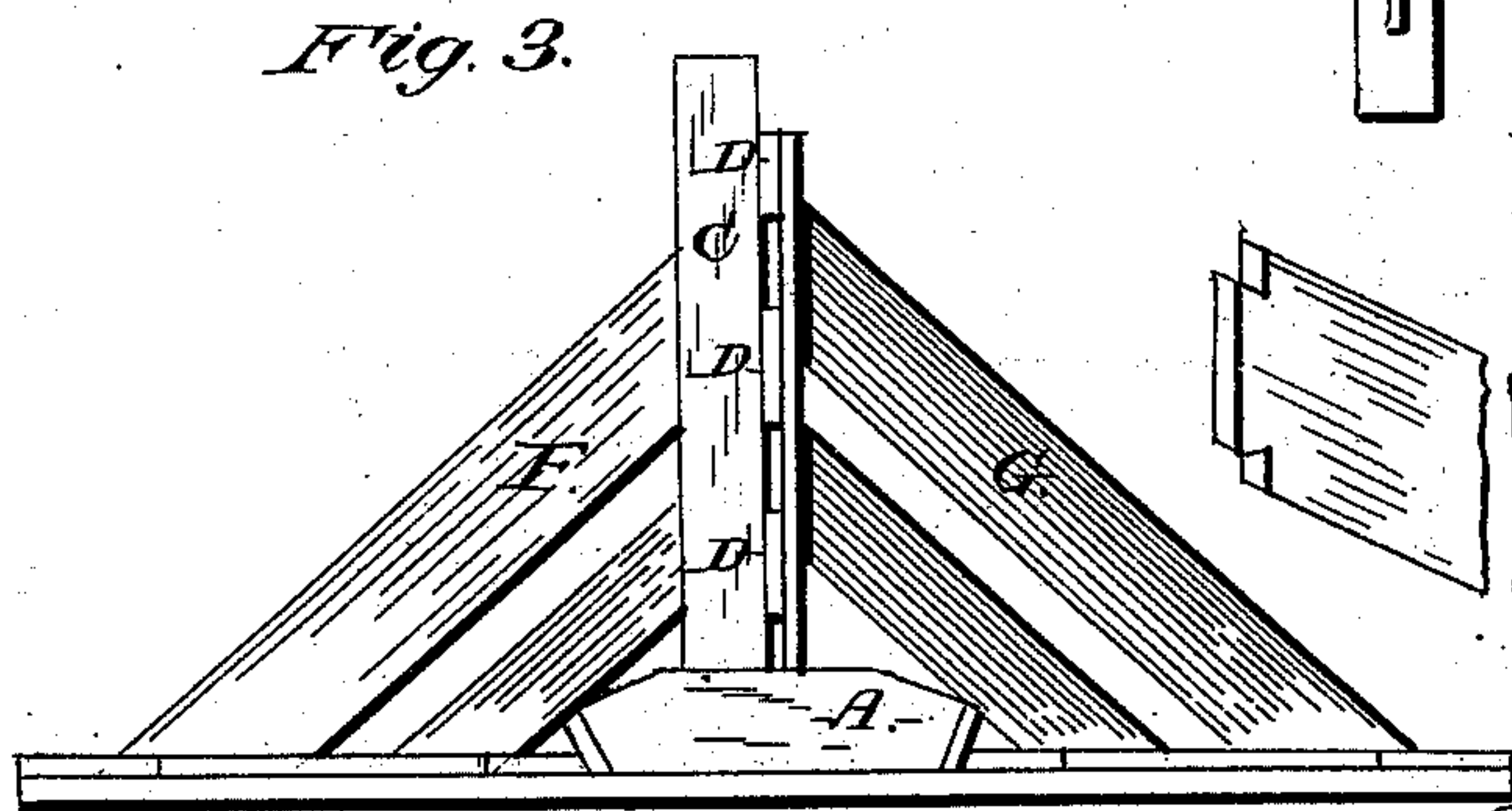
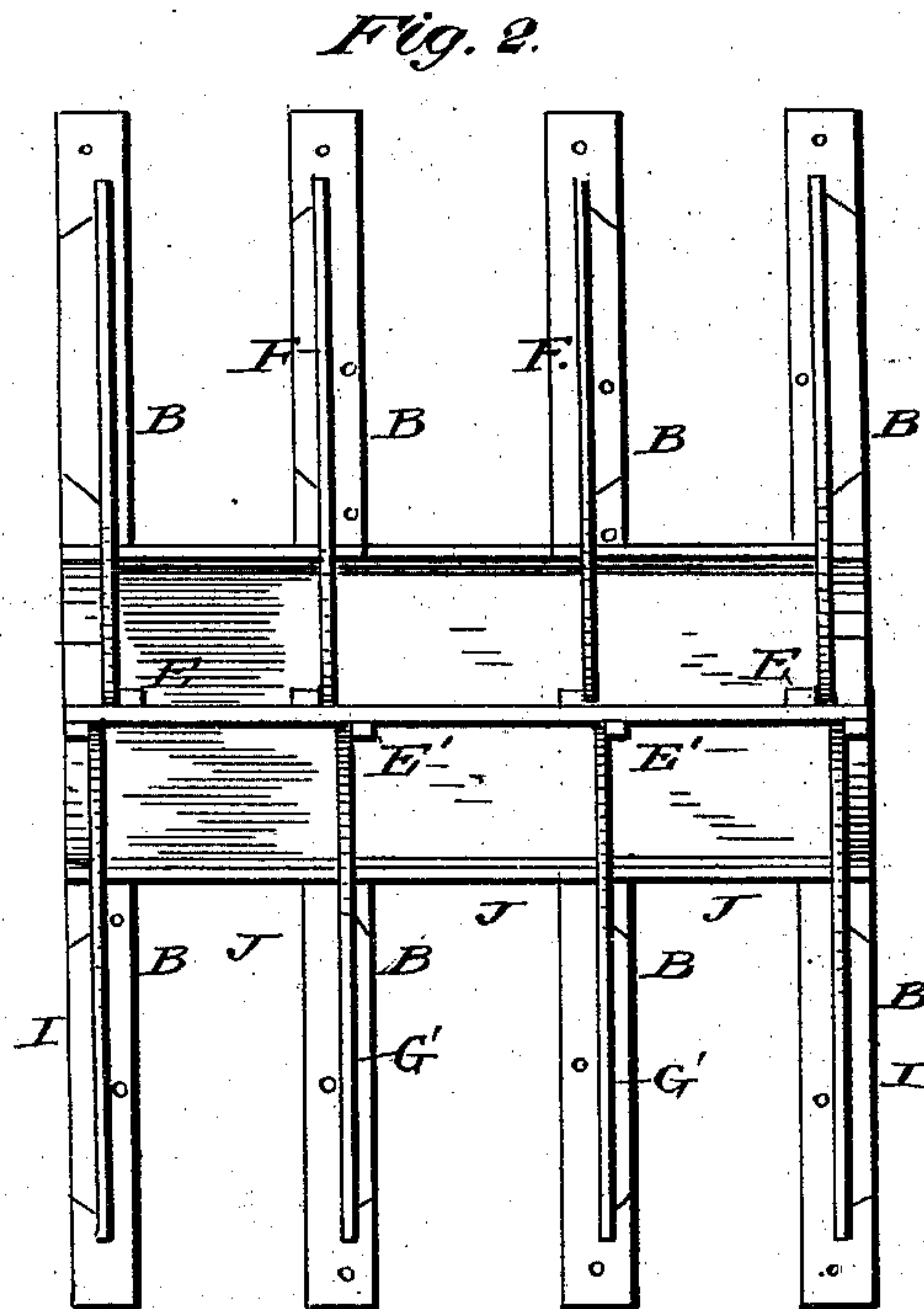
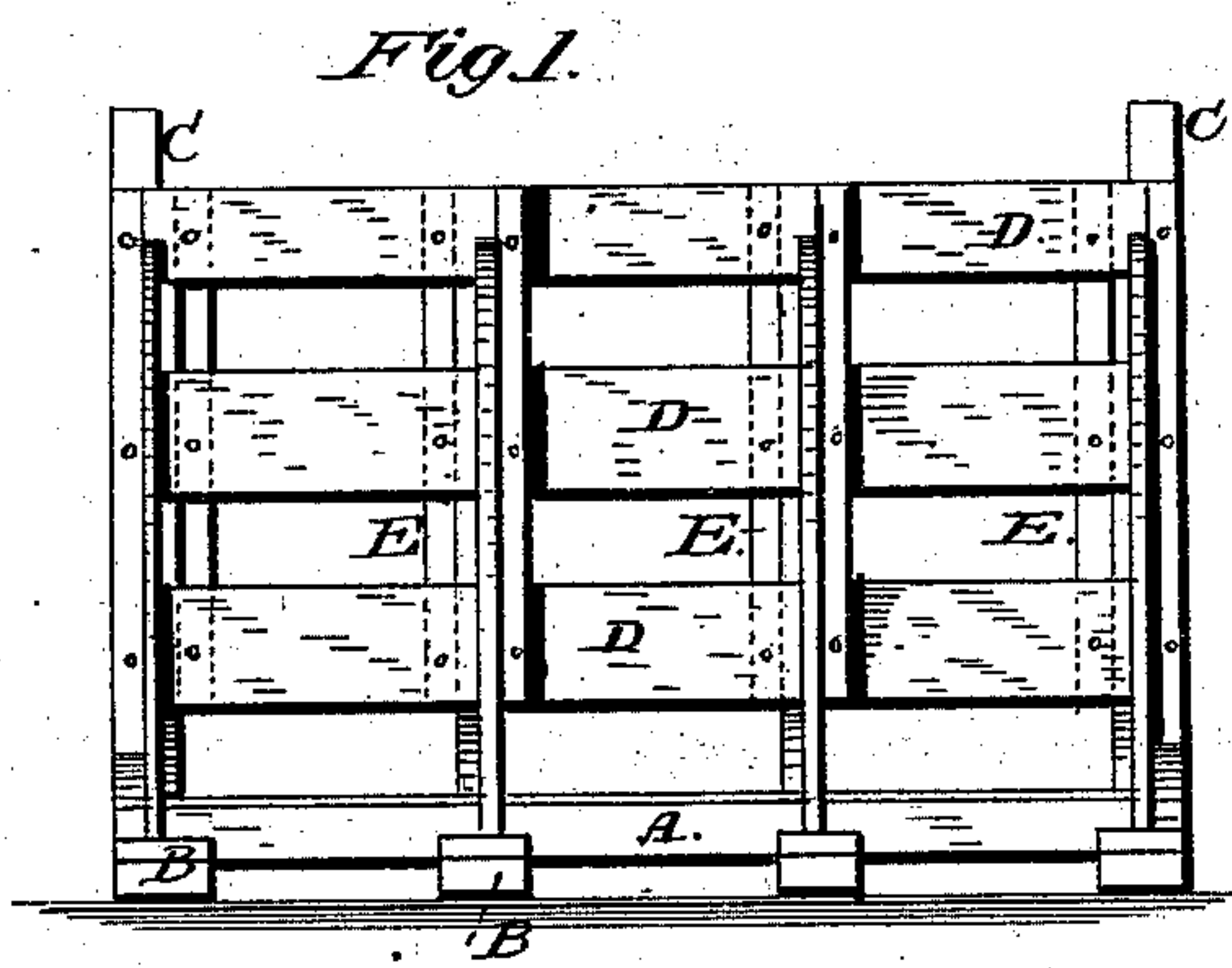


J. M. IRWIN.
Feed-Trough for Stock.

No. 225,057.

Patented Mar. 2, 1880.



Witnesses:
Fred. G. Dietrich
J. R. Littell,

Inventor:
John M. Irwin,
by C. A. Snow & Co.
Attys.

UNITED STATES PATENT OFFICE.

JOHN M. IRWIN, OF EDINA, MISSOURI.

FEED-TROUGH FOR STOCK.

SPECIFICATION forming part of Letters Patent No. 225,057, dated March 2, 1880.

Application filed October 17, 1879.

To all whom it may concern:

Be it known that I, JOHN M. IRWIN, of Edina, in the county of Knox and State of Missouri, have invented certain new and useful Improvements in Feed-Troughs for Stock; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a side view. Fig. 2 is a top view. Fig. 3 is an end view; and Fig. 4 is a detail view, in perspective, showing the method of securing the separating-rails.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to feed-troughs for stock; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings, A represents a shallow feed-trough, placed or mounted upon several parallel base-bars, B B. At the ends of the trough are secured vertical posts C C, to hold the rails D D, by which the trough is divided longitudinally into two sections. Upon the rails D, at equal distances between the posts C C, are secured strips E E', said strips being secured on opposite sides of the rails, and spaces being left between them to receive the upper tenoned ends of diagonal rails F G, the lower ends of which are also tenoned and fitted in suitable mortises F' G' in the base-bars B. The latter are also provided with long but narrow and shallow dovetailed recesses H, in

which are fitted strips I, for the purpose of binding or securing the diagonal dividing-rails in their places.

By this construction it will be observed that a number of stalls or compartments, J J, are formed on each side of the trough, each of which is calculated to admit one animal to the feed-trough. The animals are divided in such a manner as to be absolutely prevented from interfering with each other while feeding, the advantages of which are apparent.

By this device the animals are, so to speak, taught to remain in their places while feeding; and, therefore, when their increasing size renders it necessary or desirable, the upper dividing-rails may be removed, thus rendering access to the trough more convenient.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination of the trough A, posts C C, rails D D, strips E E', tenoned dividing-rails F G, base-bars B, having mortises and recesses H, and the binding-strips I, all arranged and operating substantially as and for the purpose set forth.

2. A longitudinally-divided feed-trough, provided on each side with a suitable number of stalls or compartments, formed by detachable dividing-strips, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN M. IRWIN.

Witnesses:

J. W. ENNIS,
ERNEST PHILLIPS.