

DRAFT RIGGING.

1,044,346.

Fig. 1.

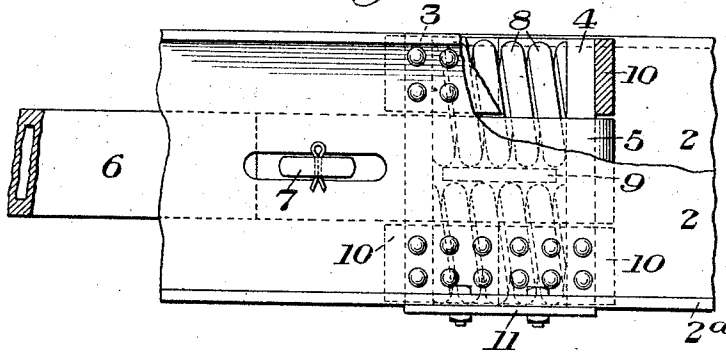


Fig. 2.

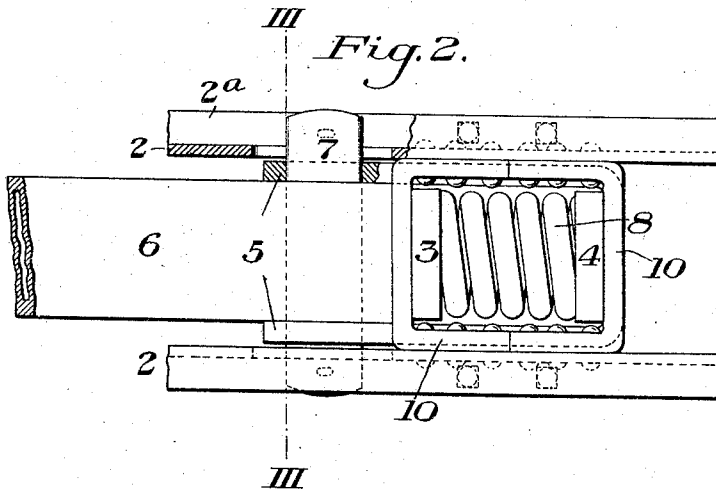


Fig. 3.

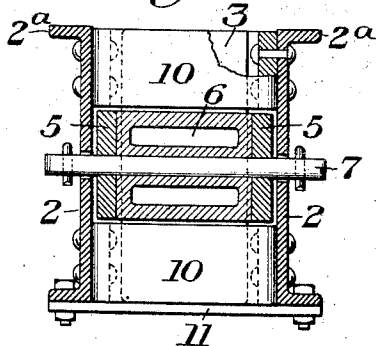
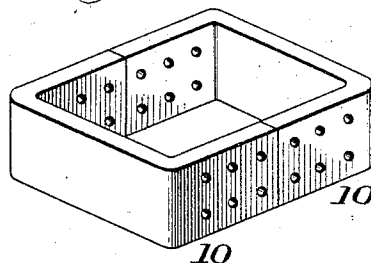


Fig. 4.



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UNITED STATES PATENT OFFICE.

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DRAFT-RIGGING.

1,044,346.

Specification of Letters Patent.

Patented Nov. 12, 1912.

Application filed May 23, 1910. Serial No. 562,796.

To all whom it may concern:

Be it known that I, JACOB J. BYERS, a citizen of the United States, and a resident of Chicago, Cook county, State of Illinois, have invented a new and useful Improvement in Draft-Rigging, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view partly in section of a draft rigging embodying my invention; Fig. 2 is a plan view of the same; Fig. 3 is a section on the line III—III of Fig. 2, partly broken away; and Fig. 4 is a perspective view of one of the rectangular frames removed.

My invention has relation to draft riggings and more particularly to draft riggings of the type described and claimed in my Patent, No. 673,419, of May 7, 1901, in which the draft springs are arranged one above the other and are removable from below, the yoke embracing the springs laterally instead of vertically.

My present invention is designed to provide means of simple and efficient character for connecting the draft rigging to the draft sills and for providing a pocket to contain the draft rigging.

Referring to the accompanying drawings, the numeral 2 designates the draft sills, which are shown as consisting of spaced channels having their flanges 2^a turned outwardly. 3 is the front follower, 4 the rear follower, and 5 the yoke which embraces the followers laterally, and which is secured to the drawbar 6 by any usual or suitable means, such as the key 7. 8 designates the springs which are arranged between the followers, one above the other, with an interposed separator 9.

In accordance with my invention, I rivet or otherwise rigidly secure to the draft sills, above and below the yoke, the angle members 10, the inner surfaces of the transverse portions of which form the bearings or abutments for the followers above and below the

yoke. The longitudinal arms of these angles preferably abut each other, so that the two angles at both the top and bottom form closed rectangular frames within which the upper and lower portions of the followers move.

The open bottom of the spring pocket formed by these frames and by the draft sills is normally closed by a removable plate 11. This plate can be readily removed to permit the followers and springs to be removed by downward movement.

The invention forms a very cheap and effective construction which constitutes simple means for connecting the draft rigging to the draft sills and for forming a pocket for the followers and springs.

I claim:

1. In a draft rigging, the combination with draft sills, of vertically separated rectangular frames secured to the upper and lower portions of said sills on opposite sides of a horizontal yoke, said yoke having its outer side faces facing the inner faces of the sill members in sliding relation thereto, and vertically extending followers of greater vertical height than the yoke and engaging said separated rectangular frame members, substantially as described.

2. In a draft rigging, the combination with draft sills, of vertically and longitudinally separated angular frames secured to the upper and lower portions of said sills on opposite sides of a horizontal yoke, said yoke having its outer side faces facing the inner faces of the sill members in sliding relation thereto, and vertically extending followers of greater vertical height than the yoke and engaging said separated rectangular frame members, substantially as described.

In testimony whereof, I have hereunto set my hand.

JACOB J. BYERS.

Witnesses:

B. N. CONLIN,
D. S. COOLEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."