

H. M. BROOKS.  
 COLLAPSIBLE QUILTING FRAME.  
 APPLICATION FILED JULY 22, 1910.

991,476.

Patented May 9, 1911.

2 SHEETS—SHEET 1.

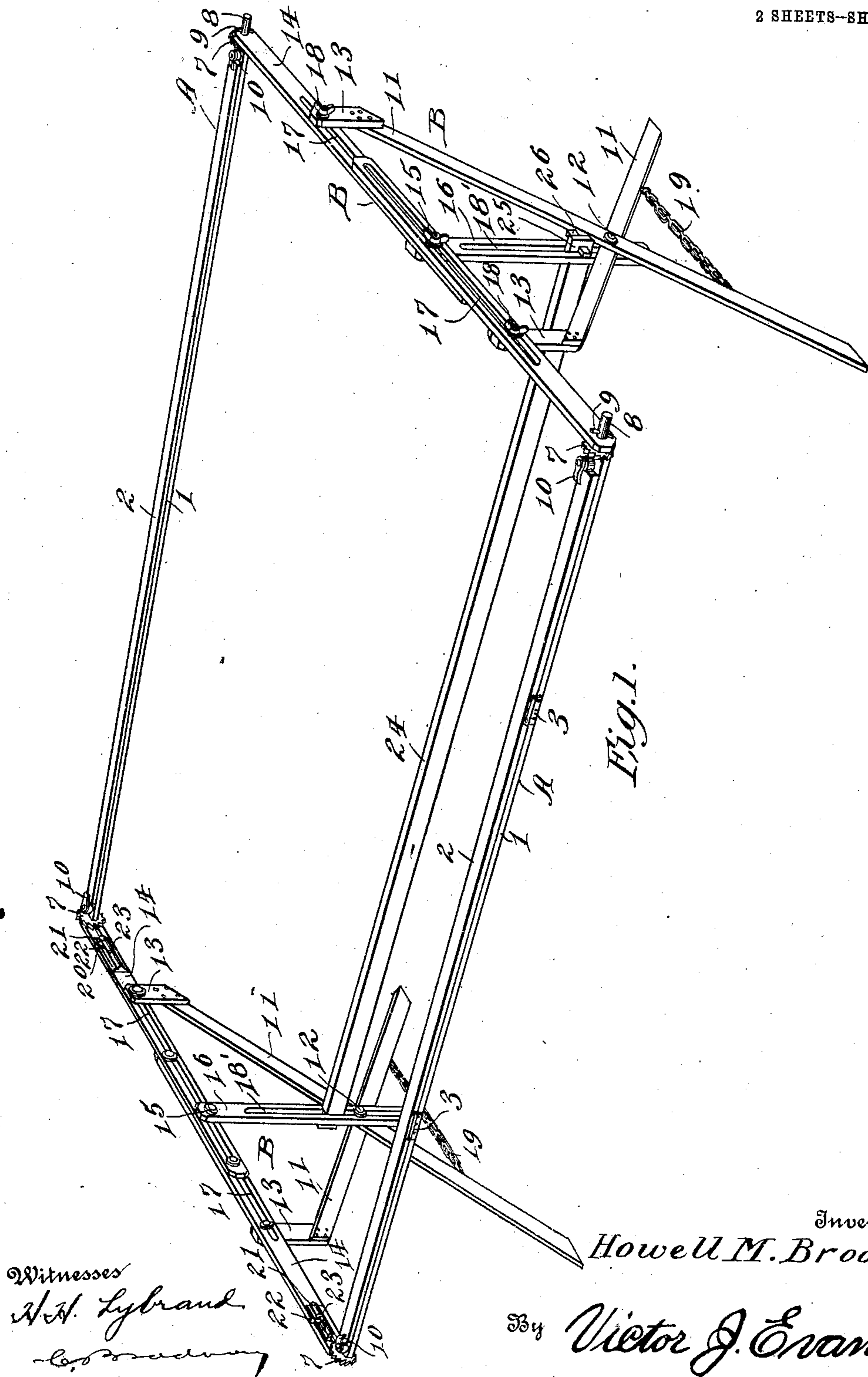


Fig. 1.

Witnesses

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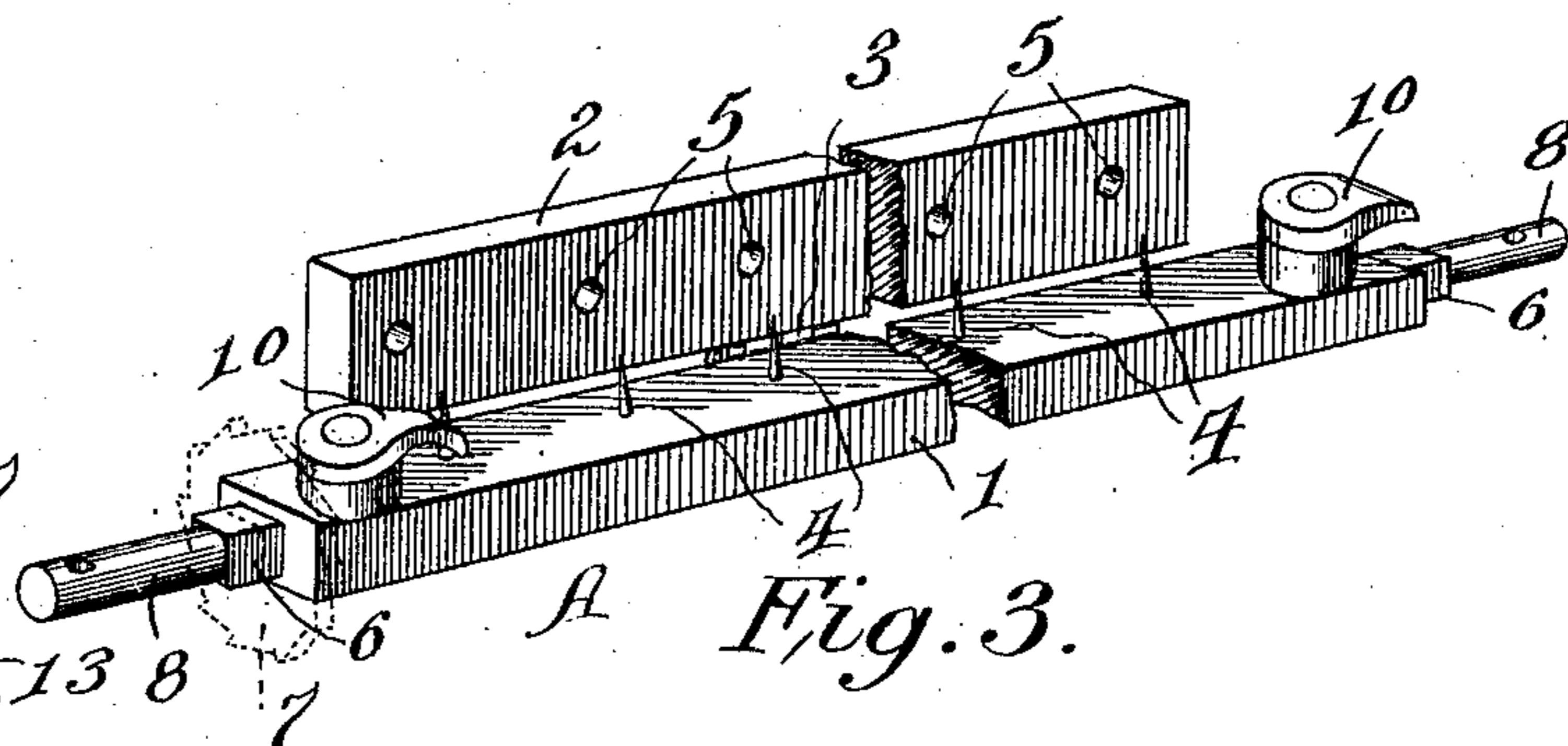
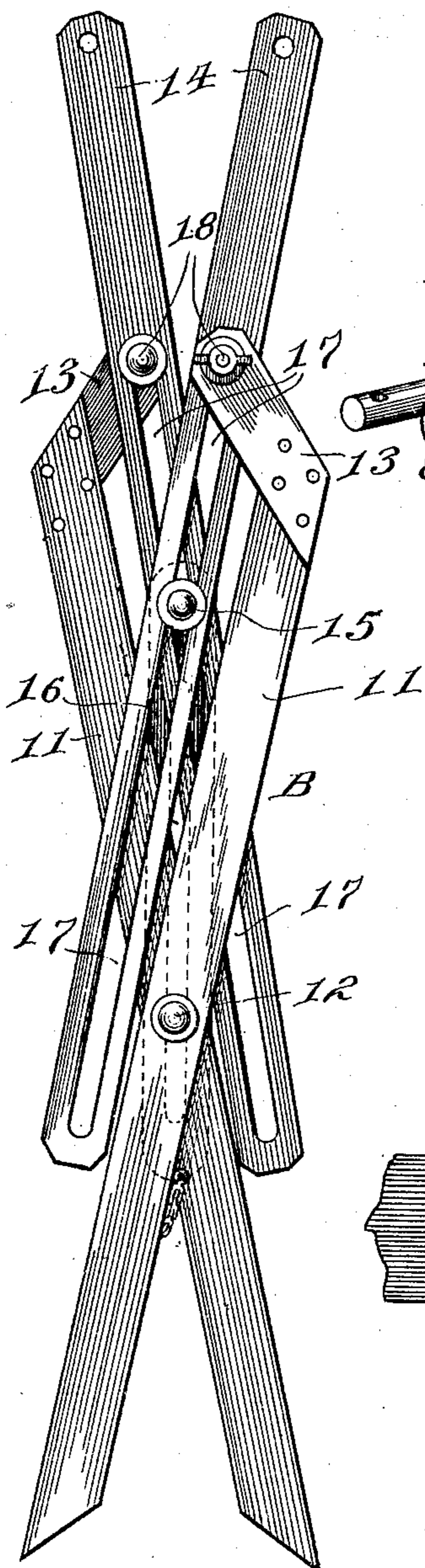
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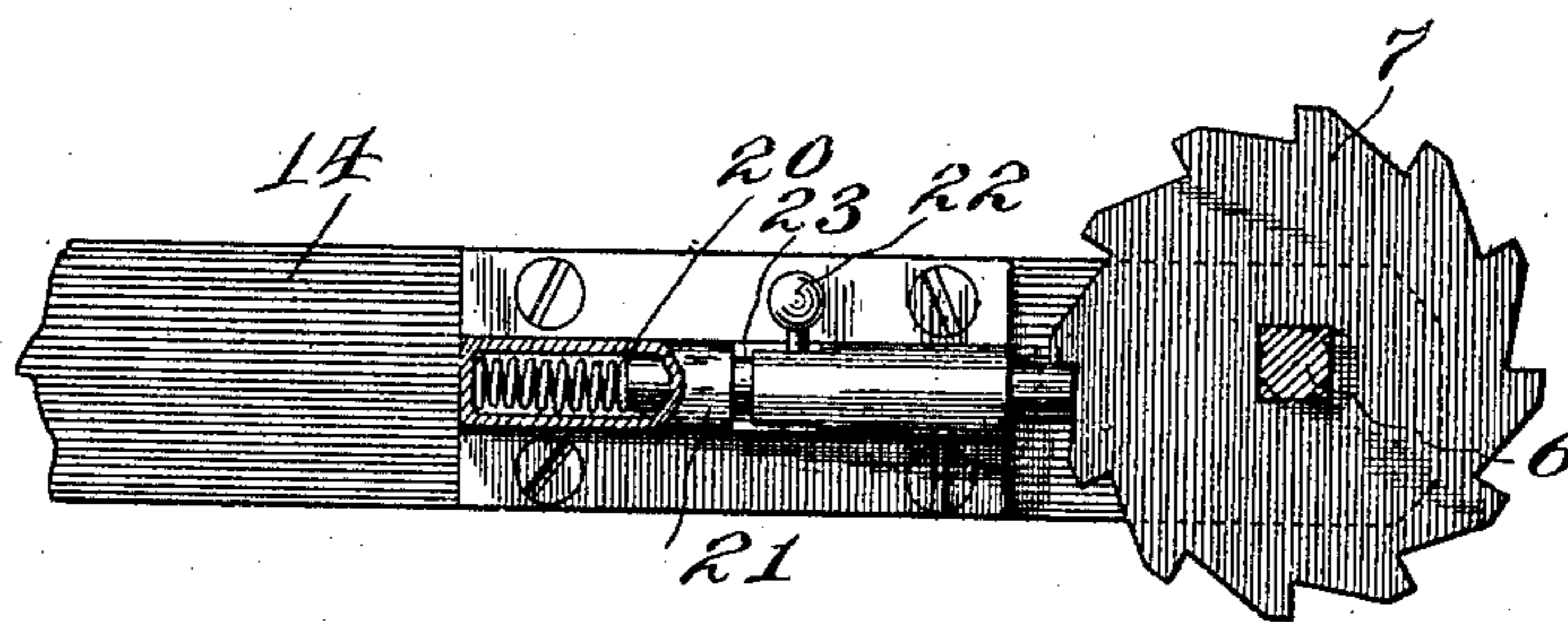
2 SHEETS—SHEET 2.

*Fig. 2.*



*Fig. 3.*

*Fig. 4.*



Witnesses

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# UNITED STATES PATENT OFFICE.

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## COLLAPSIBLE QUILTING-FRAME.

991,476.

Specification of Letters Patent.

Patented May 9, 1911.

Application filed July 22, 1910. Serial No. 573,283.

*To all whom it may concern:*

Be it known that I, HOWELL M. BROOKS, a citizen of the United States, residing at Cherryvale, in the county of Montgomery and State of Kansas, have invented new and useful Improvements in Collapsible Quilting-Frames, of which the following is a specification.

This invention relates to a quilting frame of that type which can be adjusted to different sizes and which can be collapsed or folded when not in use.

The invention has for one of its objects to improve and simplify the construction and operation of devices of this character, so as to be comparatively simple and inexpensive to manufacture, reliable and efficient in use and composed of comparatively few parts.

Another object of the invention is the provision of a quilting frame in which the rollers to which the quilt is attached are supported on end frames of novel construction, which permit the device to be readily closed or opened and adjusted to different positions.

With these objects in view, and others as will appear as the description proceeds, the invention comprises the various novel features of construction and arrangement of parts which will be more fully described hereinafter and set forth with particularity in the claims appended hereto.

In the accompanying drawing, which illustrates one embodiment of the invention:—Figure 1 is a perspective view of the quilting frame open for use; Fig. 2 is an end view of the frame folded; Fig. 3 is a perspective view of one of the rollers opened; Fig. 4 is a detail view of one of the ratchet devices for the rollers.

Similar reference characters designate corresponding parts throughout the several views.

Referring to the drawings, A designates the rollers that support the quilt during the process of making and these rollers are mounted on end frames B. The rollers A consist of two bars 1 and 2 which are connected together by hinges 3, and between these bars the fabric of the quilt is clamped, one bar being provided with spaced pins 4 which enter openings 5 in the opposite bar so that the pins penetrating the fabric will securely hold the latter when the quilt is placed under tension. The ends of one of

the bars are formed with non-circular portions 6 so as to receive ratchet wheels 7 and on the non-circular portions 6 are formed journals 8 which rotate in bearings in the end frames, so that the rollers can be turned, and passing through these journals are retaining pins 9 or equivalent devices. On each bar 1, which is longer than the companion bar 2, are pivoted buttons 10 which engage over the ends of the shorter bar 2, so as to hold the latter in closed position.

Each frame B consists of crossed legs 11 connected together by a pivot 12 and on the upper end of each leg is a short post or standard 13 on which slides a roller supporting bar 14. The bars 14 of each frame B overlap each other and are connected together by a pivot bolt 15 and an upright link or bracing member 16 which has connection with the legs 11. The bars 14 have longitudinal slots 17, through which extend pivot bolts 18 on the upper ends of the standards or posts 13, and by means of these pivot bolts the said bars 14 are slidably connected with the legs, and furthermore the pivot bolt 15 passes through the slots of both bars 14 so as to slidably connect the same with the bracing member 16. The bracing member 16 has a longitudinal slot 18' in which the pivot bolt 12 of the legs 11 extends, so as to slidably connect the bracing member with the legs. The opening movement of the legs is limited by a chain or flexible element 19 having its ends connected with the legs at points below the pivot thereof. By constructing the end frames in this manner, the quilting device can be opened or extended laterally to any extent, as shown in Fig. 1, and can be folded, as shown in Fig. 2, so as to take up comparatively little room when not in use.

On each roller supporting bar 14 is a bolt-like pawl 20 which slides in a housing 21 and is adapted to engage the adjacent ratchet wheel 7 and hold the latter against turning when the quilt is under tension. Each pawl has a laterally projecting finger 22 which extends outwardly through the slot 23 in the housing 21 and this slot is so shaped that the bolt can be turned half around, so as to permit the ratchet wheel to freely turn without the pawl engaging therewith.

In order to give stability to the quilting device, the end frames may be braced one from the other by a horizontal bracing

member 24 which has its ends formed into tongues 25 that can engage in the longitudinal slots of the bracing members 16, and passing through the tongues are retaining pins 26. This bracing member 24 can be detached when the device is to be folded. By tightening the pivot bolts after the device is once adjusted, it provides a comparatively rigid structure for supporting the quilt during the making thereof.

From the foregoing description, taken in connection with the accompanying drawings, the advantages of the construction and of the method of operation will be readily apparent to those skilled in the art to which the invention relates, and while I have described the principle of operation of the invention, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative and that such changes may be made when desired as are within the scope of the claims.

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

1. A quilting device comprising parallel rollers, overlapping bars supporting the ends of the rollers, said bars having alining longitudinal slots, a clamping bolt passing through the slots of each pair of members, upright bracing members connected by the

bolts to the said overlapping members and provided with longitudinal slots, a pair of crossed legs at each end of the device, clamping bolts for adjustably connecting the upper ends of the legs with the respective overlapping bars, means for hingedly connecting each pair of crossing legs and the lower end of the adjacent bracing member together, said means passing through the slots of the bracing members, and a horizontal bracing bar extending longitudinally of the device and having its ends detachably connected with the upright bracing members.

2. A quilting device comprising end supporting frames, and quilt supporting rollers mounted on the frames, each roller consisting of hingedly connected bars, one bar being longer than the other and the longest bar terminating in journals, fabric engaging pins on the inner face of one of the bars and adapted to engage in sockets in the inner face of the opposite bar, and buttons pivoted on the longer bar and arranged to engage over the ends of the shorter bar.

In testimony whereof I affix my signature in presence of two witnesses.

HOWELL M. BROOKS.

Witnesses:

JAMES L. BUCHANAN,  
V. E. OAKLEOF.

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