

No. 728,684.

PATENTED MAY 19, 1903.

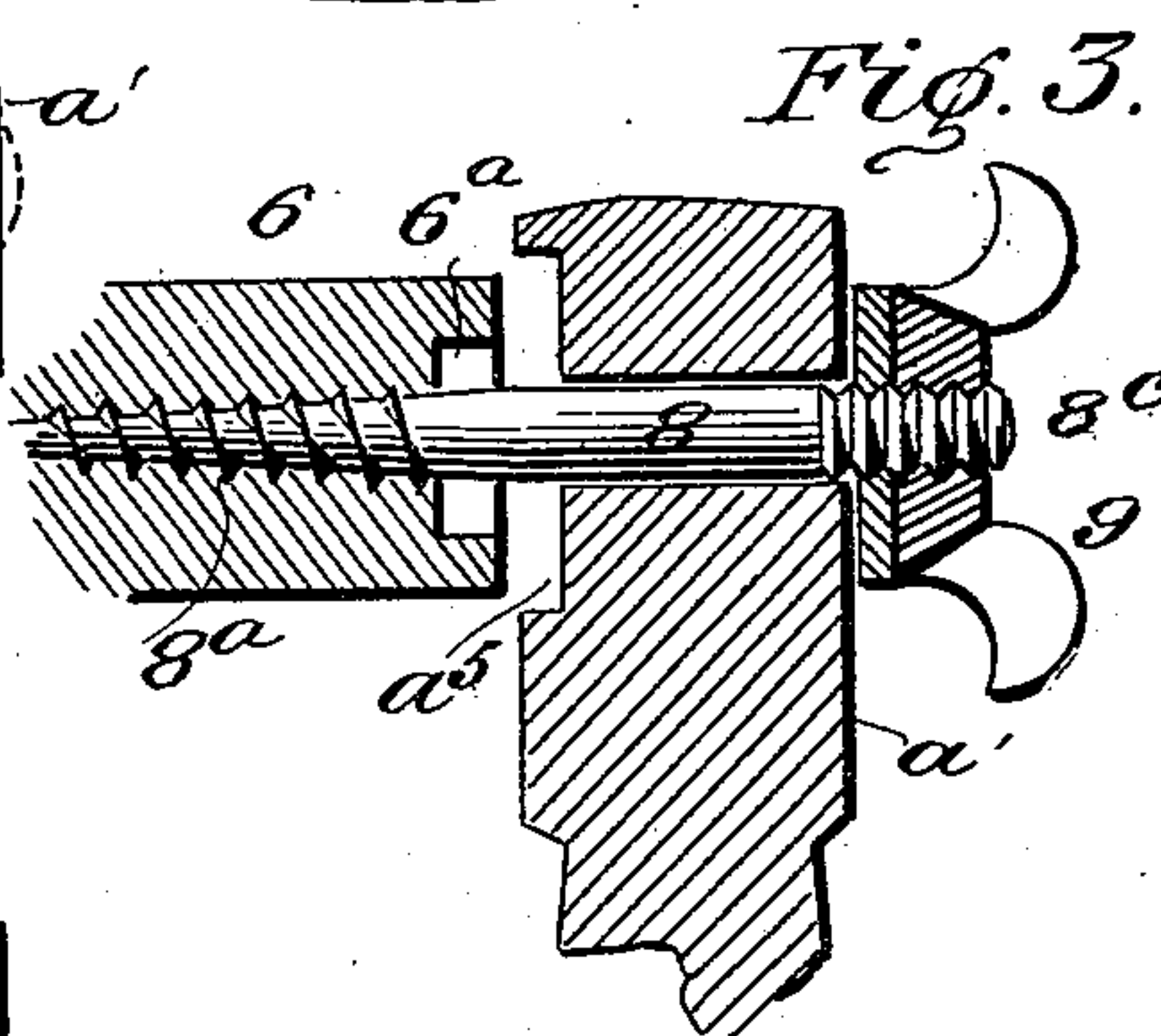
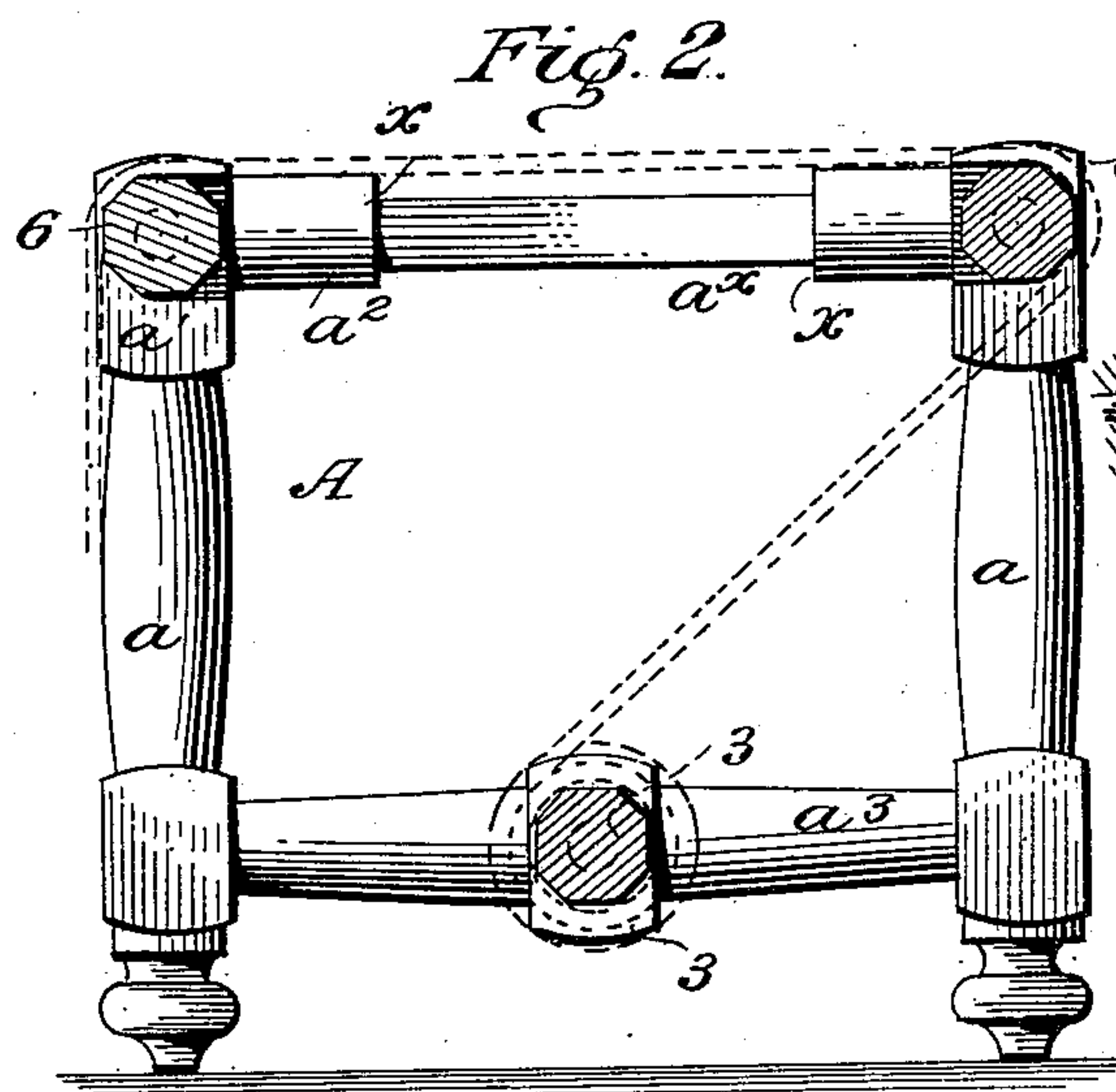
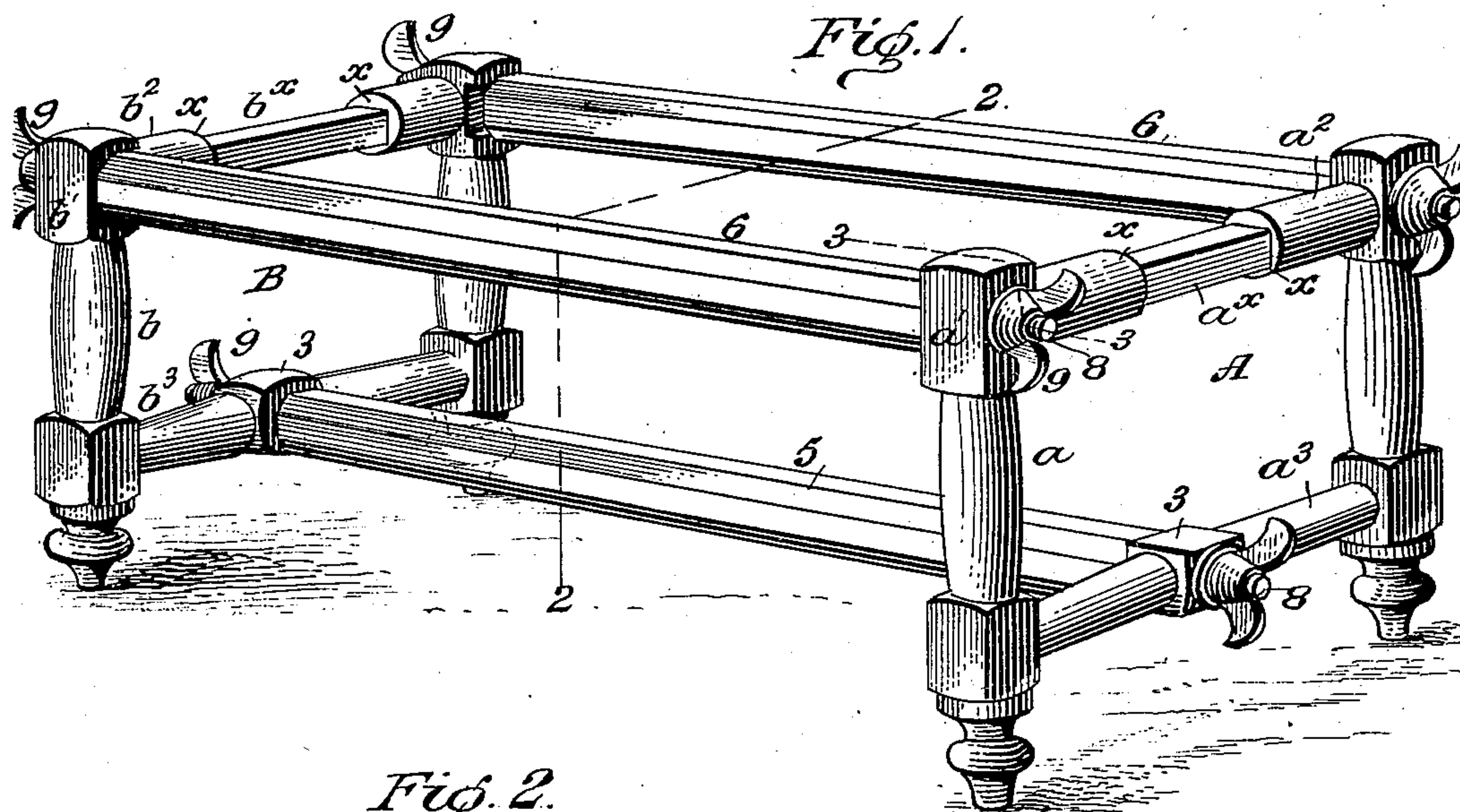
F. G. DIETERICH.

COMBINED QUILTING FRAME, COT, AND IRONING BOARD HOLDER.

APPLICATION FILED FEB. 13, 1903.

2 SHEETS—SHEET 1.

NO MODEL.



WITNESSES:

John T. Schrott  
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Fred G. Dieterich & Co.  
ATTORNEYS

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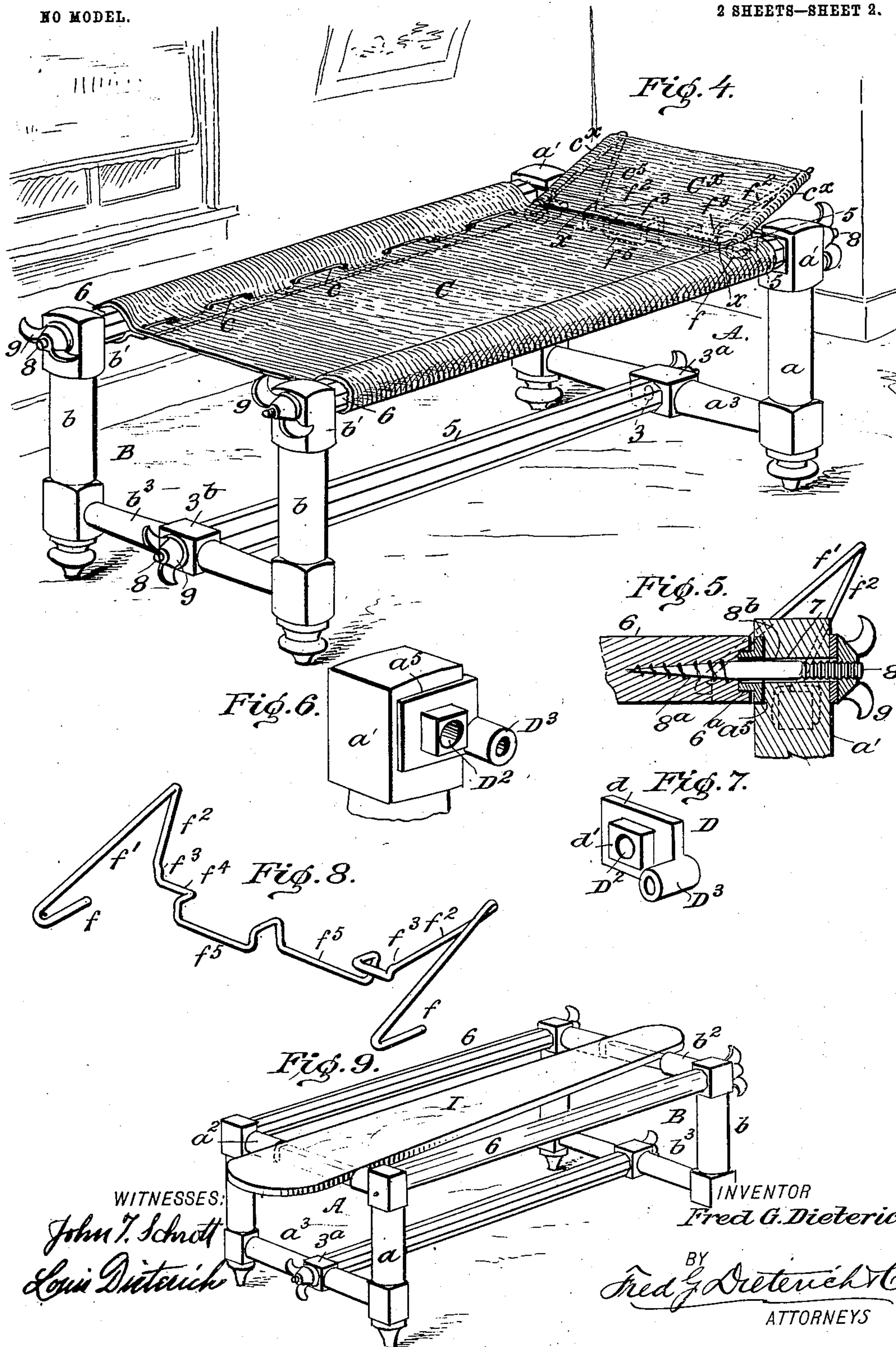
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*John T. Schnott*  
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# UNITED STATES PATENT OFFICE.

FRED G. DIETERICH, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR  
TO R. D. WHITE, OF CONWAY, ARKANSAS.

COMBINED QUILTING-FRAME, COT, AND IRONING-BOARD HOLDER.

SPECIFICATION forming part of Letters Patent No. 728,684, dated May 19, 1903.

Application filed February 13, 1903. Serial No. 143,250. (No model.)

*To all whom it may concern:*

Be it known that I, FRED G. DIETERICH, a citizen of the United States, residing at Washington city, in the District of Columbia, have  
5 invented a new and Improved Combined Quilting-Frame, Cot, and Ironing-Board Holder, of which the following is a specification.

My invention seeks to provide a simple,  
10 economical, and conveniently-constructed frame, readily convertible for use as a quilting apparatus, a cot, or an ironing-board support; and it comprehends a peculiar arrangement of parts, including end members, quilt-  
15 holding and take-up rollers mounted thereon, and means for adjusting the said rollers for detachably supporting the cot canvas.

In its more complete nature my invention also embodies a special construction of head  
20 or pillow rest and means for detachably connecting the same to the frame, said means including a special construction of brackets for supporting the head-rest and for locking the upper rollers in a fixed connection with the  
25 end frames, a special construction of cross members to form a part of the end frame being also provided adapted to form a convenient support for sustaining an ironing-board from endwise movement and adapted to co-  
30 operate with the pillow or head rest devices in such manner as to sustain the said head-rest devices in a proper position and from accidental displacement in the ordinary use thereof.

In its more subordinate features my invention consists in certain details of construction and peculiar arrangement of parts, all of which will hereinafter be fully described, and specifically pointed out in the appended  
40 claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my invention, the same being arranged as a quilting apparatus. Fig. 2 is a transverse section  
45 thereof on the line 2 2 of Fig. 1. Fig. 3 is a detail section taken practically on the line 3 3 of Fig. 1. Fig. 4 is a perspective view illustrating my invention arranged for use as a cot. Fig. 5 is a detail section of the same  
50 on the line 5 5 of Fig. 4 looking in the direction of the arrow. Figs. 6 and 7 are detail

views of one of the pillow-frame-supporting and roller-locking brackets. Fig. 8 is a detail view of the pillow-rest or head-frame. Fig. 9 is a view illustrating my invention  
55 adapted for use as an ironing-board-supporting frame.

In the practical construction my invention comprises a supporting means formed of two end sections A B, each of which includes a  
60 pair of vertical standards  $a a$  and  $b b$ , having head portions  $a' b'$  at their upper end, preferably square, in horizontal section. The standards  $a a$  are joined by upper and lower cross members or rungs  $a^2 a^3$ , the upper one,  
65  $a^2$ , of which connects with the head portions  $a'$ , as clearly shown in Fig. 2, and the standards  $b b$  of the frame-section B are similarly joined by the cross bars or rungs  $b^2 b^3$ , which, as also the rungs  $a^2 a^3$ , are fixedly connected  
70 to their respective standards  $a b$ . The lower rungs  $a^2 b^3$  have squared portions  $3^a 3^b$  at a point midway their length, and the said portions  $b^3 a^3$  are apertured, as at 3 3, to receive the combined clamping and spindle bolts,  
75 which connect with the opposite ends of a roller-bar 5, preferably hexagonal in cross-section, which extends lengthwise from one end frame-section to the other and forms a lower take-up roller when my invention is  
80 used as a quilting apparatus, as best shown in Fig. 1.

6 6 indicate a pair of the upper rollers, which run parallel with the lower or central roller 5, and the said rollers 6 in the full-size  
85 apparatus are about seven feet long and are also preferably hexagonal in cross-section to facilitate attaching and holding the material to be quilted thereon.

Each head portion of the standards  $a b$  has  
90 a horizontal slot 7 to receive the combined clamping and spindle bolts 8, which connect with the ends of the rollers 6 6, as best shown in Figs. 3 and 5, by reference to which it will be seen the bolts 8 consist of a wood-screw  
95 end  $8^a$  for conveniently attaching them to the roller ends, and a smooth bearing portion  $8^b$ , which forms the spindle portions for the rollers, and a threaded outer end  $8^c$ , adapted to project beyond the standard-head to receive  
100 a winged clamping-nut 9. By reason of the bolt connection, arranged as described and



shown, it is apparent that the end sections of the several roller-bars 5 and 6 can be easily adjusted to produce a substantially rigid frame and the rollers 5 and 6 held for such free rotation with respect to the standards and the lower cross-rungs in which their end spindles are journaled to provide for the desired shifting and rolling up of the quilt (see dotted lines, Fig. 2) from one roller to the other as it is quilted, the lower roll forming, as it were, the take-up roll, as indicated in Fig. 2.

So far as described it will be readily apparent that the relation and connection of the several parts are such that the same when adjusted as shown in Fig. 1 forms a very simple, economical, and easily-assembled quilting-frame in which the parts can be quickly detached and folded up into a small space for shifting or storing.

The upper cross-rungs  $a^2 b^2$  have reduced portions  $a^x b^x$ , square in cross-section, (see Fig. 1,) whereby end bearings or shoulders  $x x$  are formed, the purpose of which is to provide a convenient means for supporting an ironing-board I (see Fig. 8) thereon and holding the same from endwise movement, the said reduced portions  $a^x b^x$  also serving for another important function to be presently explained.

As before stated, the full-sized apparatus is about seven feet long, and to conveniently utilize the same as a cot the head portions  $a' a'$  of the standards  $a a$  and the ends of the rollers 6 6, adjacent the said heads, have a special construction whereby to cooperate with a special construction of pillow or head rest, as best illustrated in Figs. 3 to 8.

When my invention is utilized as a cot, as illustrated in Fig. 4, the rollers 6 6 form the side supports for the canvas or other flexible bed portion C, the sides of which are wound over said roller 6 and are secured in any desired manner—for example, by strong lacing-cords  $c c$ , as shown—and when the canvas C is secured to the roller 6 to prevent the rollers from slipping and the end sections A B from working loose from the rollers 6 the latter are fixedly interlocked with the end section A.

To provide a simple means for interlocking the roller 6 with the heads  $a' a'$  on the standards  $a$  and also to form the bearings for the detachably-mounted head or pillow rest, as shown in Fig. 4, I provide metal brackets D, each of which consists of a flat body  $d$ , adapted to seat in cross-sockets  $a^5 a^5$  in the inner faces of the heads  $a'$  (see Figs. 5 and 6) and formed with a square boss  $d'$ , adapted to enter the square sockets  $6^a$  in the adjacent ends of the roller 6, (see Figs. 3 and 5,) and the body  $d$  is apertured, as at  $D^2$ , for the passage of the bolts 8 8. The brackets D D are of such length as to project beyond the inner side of the heads  $a$ , and at the lower inner end they have integral apertured hubs  $D^3$ , that project in the longitudinal plane of the

roller 6 and are adapted to receive the short members  $f$  of rearwardly-projecting arms  $f' f'$  of the pillow or head-rest frame F, which is bent up from a single piece of stout spring-wire to the shape shown in Fig. 7, from which it will be observed the arms  $f' f'$  project rearwardly and upwardly at a suitable angle, and the ends  $c^x c^x$  of the pillow-canvas body  $C^x$ , which ends are made fast by lacing-strings  $c^5$  or otherwise and to provide, as it were, practically a continuation of the body from the foot to the extreme end of the head of the cot, the side arms  $f'$  are projected under the upper end of the member C, the brackets D being positioned to provide for such relation of the adjacent ends of the canvas members  $C C^x$ .

The head-rest F, as will be seen from Figs. 4 and 8, extends over the cross-rung  $a^2$ , and it has inwardly and downwardly bent brace portions  $f^2$ , that terminate in short shouldered extensions  $f^3$ , the extensions  $f^3$  being so spaced whereby to extend down into engagement with the shoulders  $a^x$  in the rung  $a^2$ , and from the shoulders  $f^3$  extend short transverse horizontal members  $f^4$ , adapted to lie flatwise on the upper side of the square portion of the rung  $a^2$ , and to interlock the lower bearing portion of the frame F with the said rung the said members  $f^4$  merge with the oppositely-disposed downwardly-projected bail members  $f^5$ , adapted to straddle the square portion of the rung  $a^2$ , as clearly indicated in dotted lines in Figs. 4 and 5.

From the foregoing, taken in connection with the accompanying drawings, it is believed that the complete operation and advantages of my invention will be readily apparent. The same forms a convenient household appliance which can be readily adjusted to serve as a quilting-frame, an ironing-board support, and a cot, it being manifest that as the brackets are removably held they can be easily slipped out of engagement with the rollers 6 and removed with the head-rest F.

It will be noticed that the several parts can be assembled or detached without the removing of screws, bolts, or nuts further than the mere disconnection of the wind-nuts that engage with the end section 8.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination with the end sections A B, the roller 6 6, the clamp-bolts 8 rotatably mounted in the said sections A B, and the cross-rungs,  $a^2 b^2$ , the latter having non-circular portions terminating in shoulders  $x$ , and a frame adapted to be detachably mounted on the main frame and provided with a brace portion for engaging with the non-circular shoulder parts of the cross-rungs, for the purposes described.

2. The combination with the main frame including the apertured head portions  $a' a'$  and the rung  $a^2$ , of the rollers 6, said rollers having sockets  $6^a$  in one end, the apertured



brackets D provided with bosses  $d'$  to engage the socket  $6^3$  and having hubs  $D^3$ , the frame F including the bracket portion adapted to rest upon the cross-rung  $a^2$ , and incline side arms, the latter having portions adapted to enter the apertured hubs  $D^3$ , and the clamping-bolts 8, as set forth.

3. The combination with a quilting-frame composed of the end sections A B, each having apertured head portions,  $a' a'$  and cross-rungs  $a^2 a^3$ , and the rollers 5 and 6; of a head or pillow rest frame composed of a single wire member, said member including side arms  $f'$ , brace portions  $f^2$  and a bearing portion adapted to rest upon and interlock with one of the cross-rungs  $a^2$ , and means for supporting the arms  $f'$  and for locking the bars 6 6 with the end arms, substantially as shown and described.

4. In an apparatus as described; the combination with the end frame-sections A B, the longitudinal members 6 6, the canvas body C supported from the said members 6 6, and the cross-rung  $a^2$ ; of a pillow-frame composed of stout spring-wire, bent to form incline parallel side arms  $f'$  which terminate at their ends in horizontal portions  $f$ , brace members  $f^2$  which terminate with transversely-extended and oppositely-disposed bail members  $f^3$  adapted to straddle the rung  $a^2$ , and bearings on the main frame to receive the said members  $f$  of the frame F, all being arranged substantially as shown and for the purposes described.

FRED G. DIETERICH.

Witnesses:

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LOUIS DIETERICH.