

No. 749,865.

PATENTED JAN. 19, 1904.

J. JARVIS.

CYCLE SADDLE FOR SUPPORTING RIFLES OR OTHER ARTICLES.

APPLICATION FILED APR. 21, 1902.

NO MODEL.

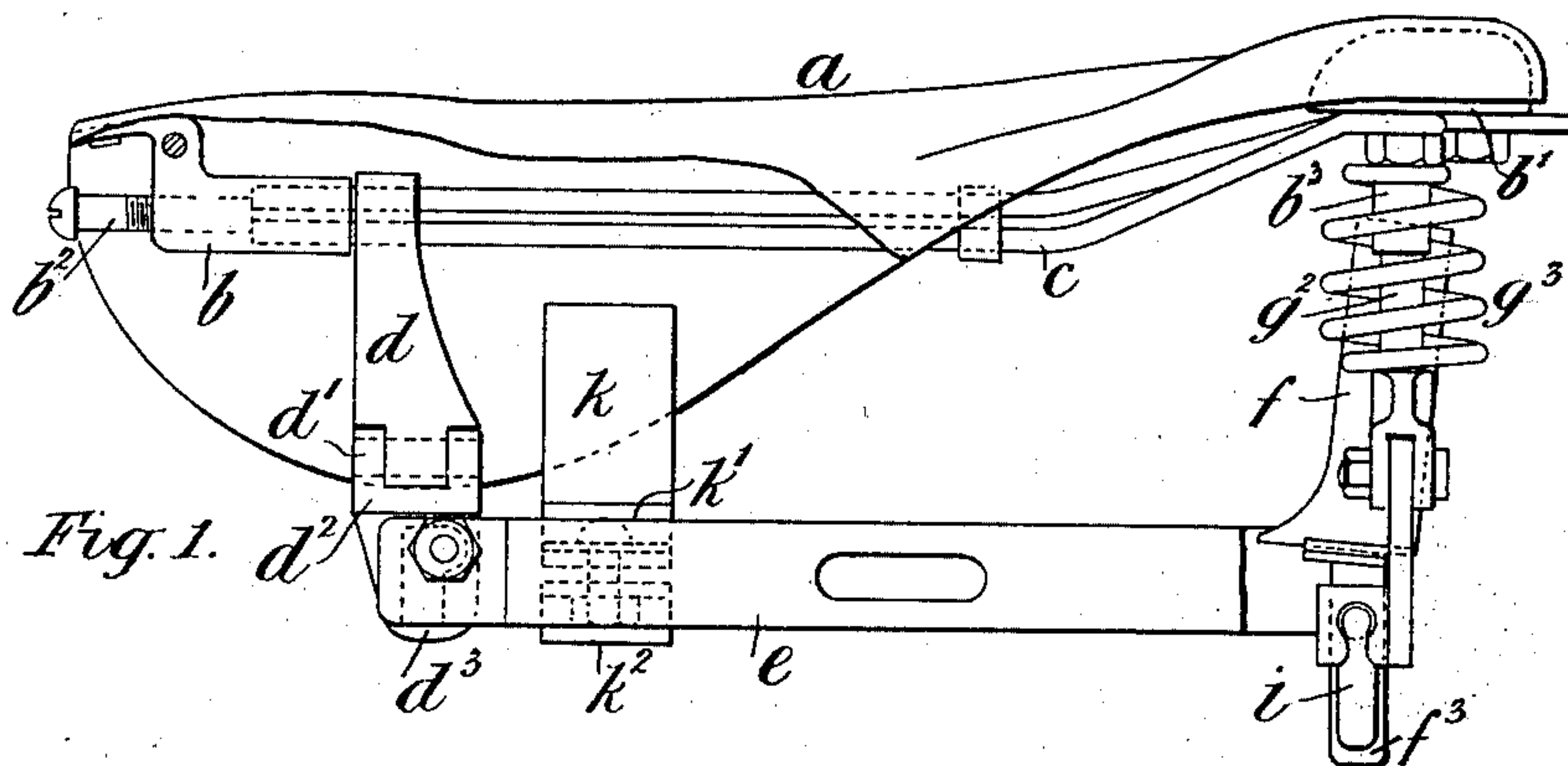


Fig. 1. d^2

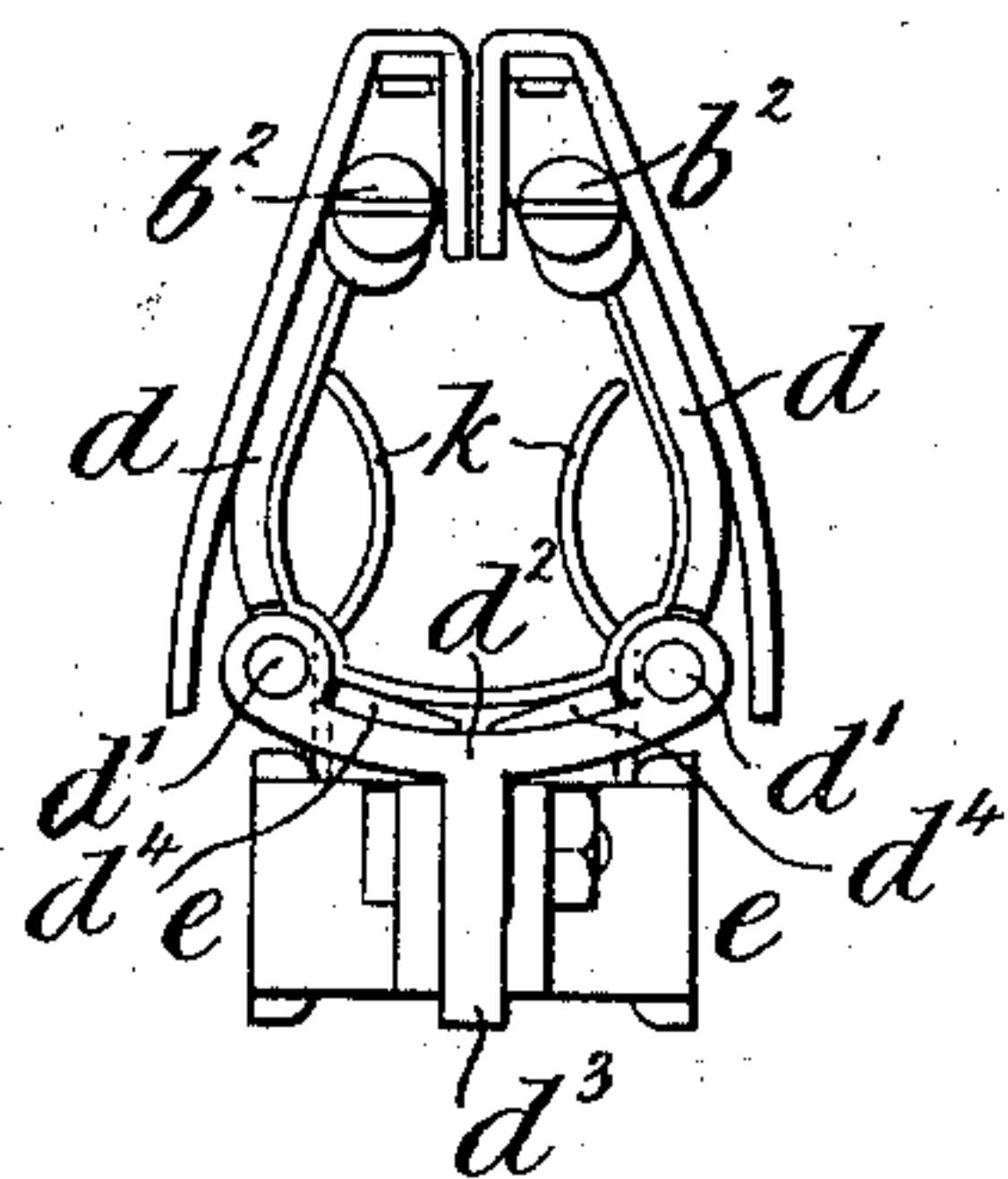


Fig. 2.

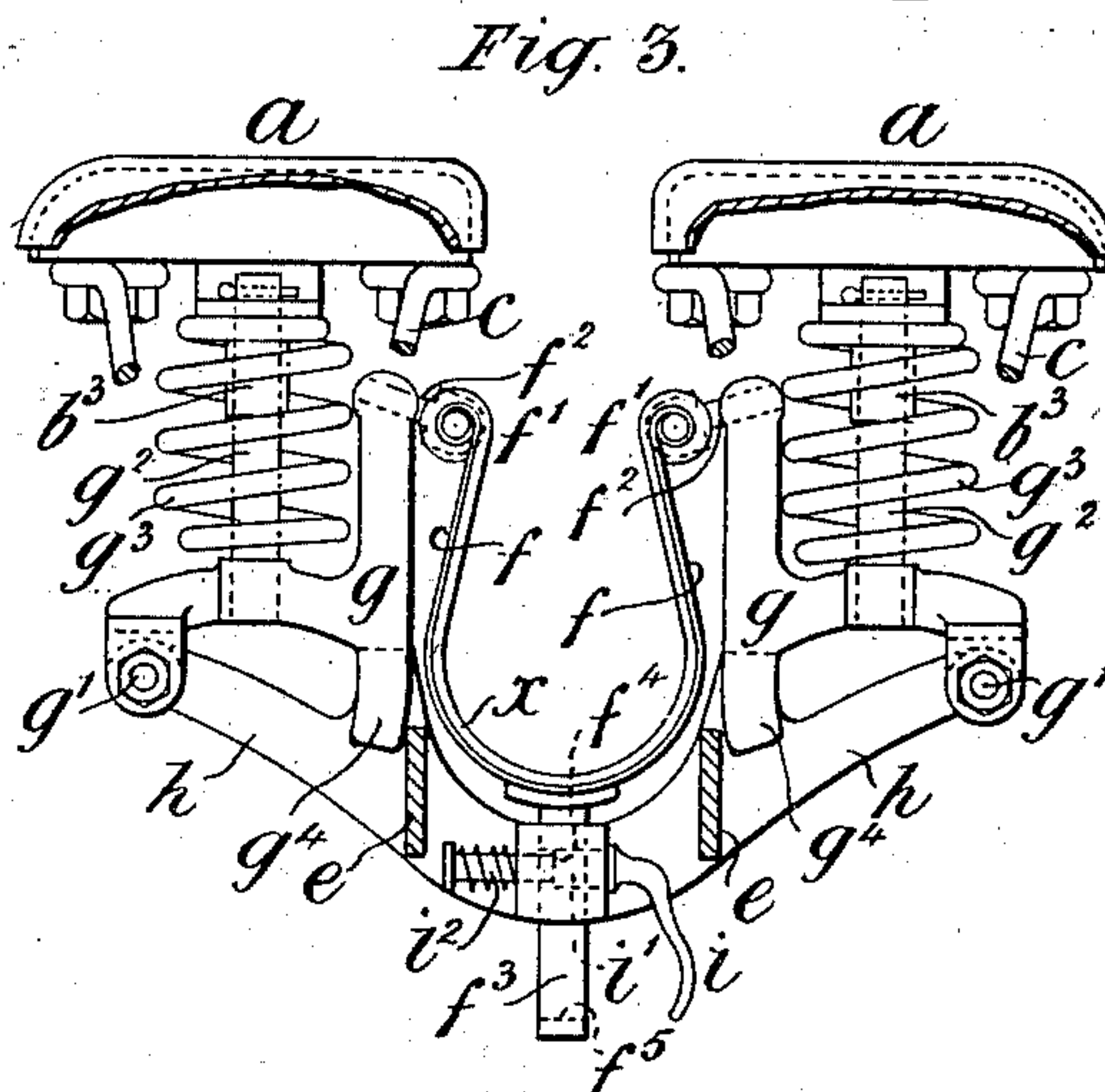


Fig. 3.

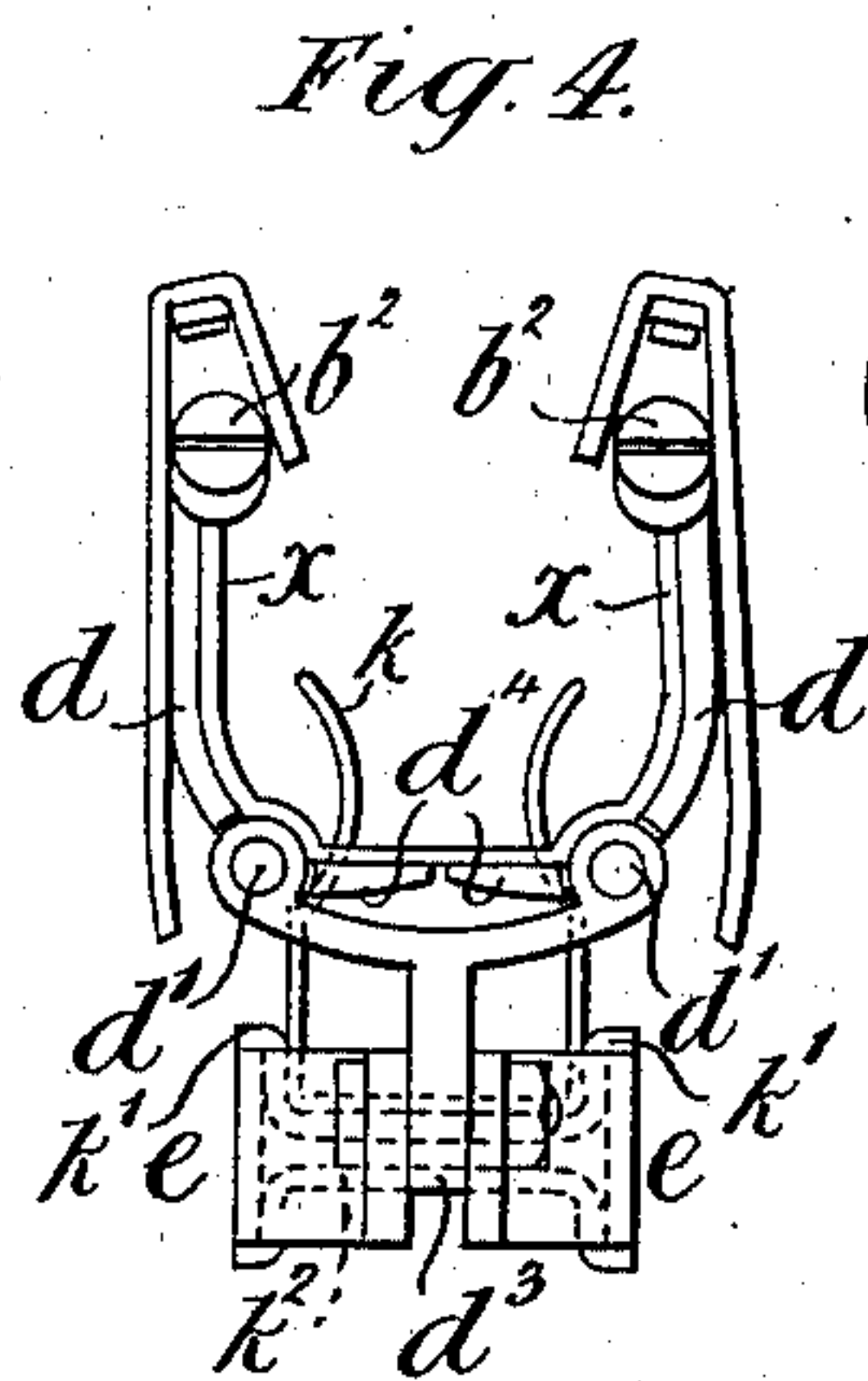


Fig. 4.

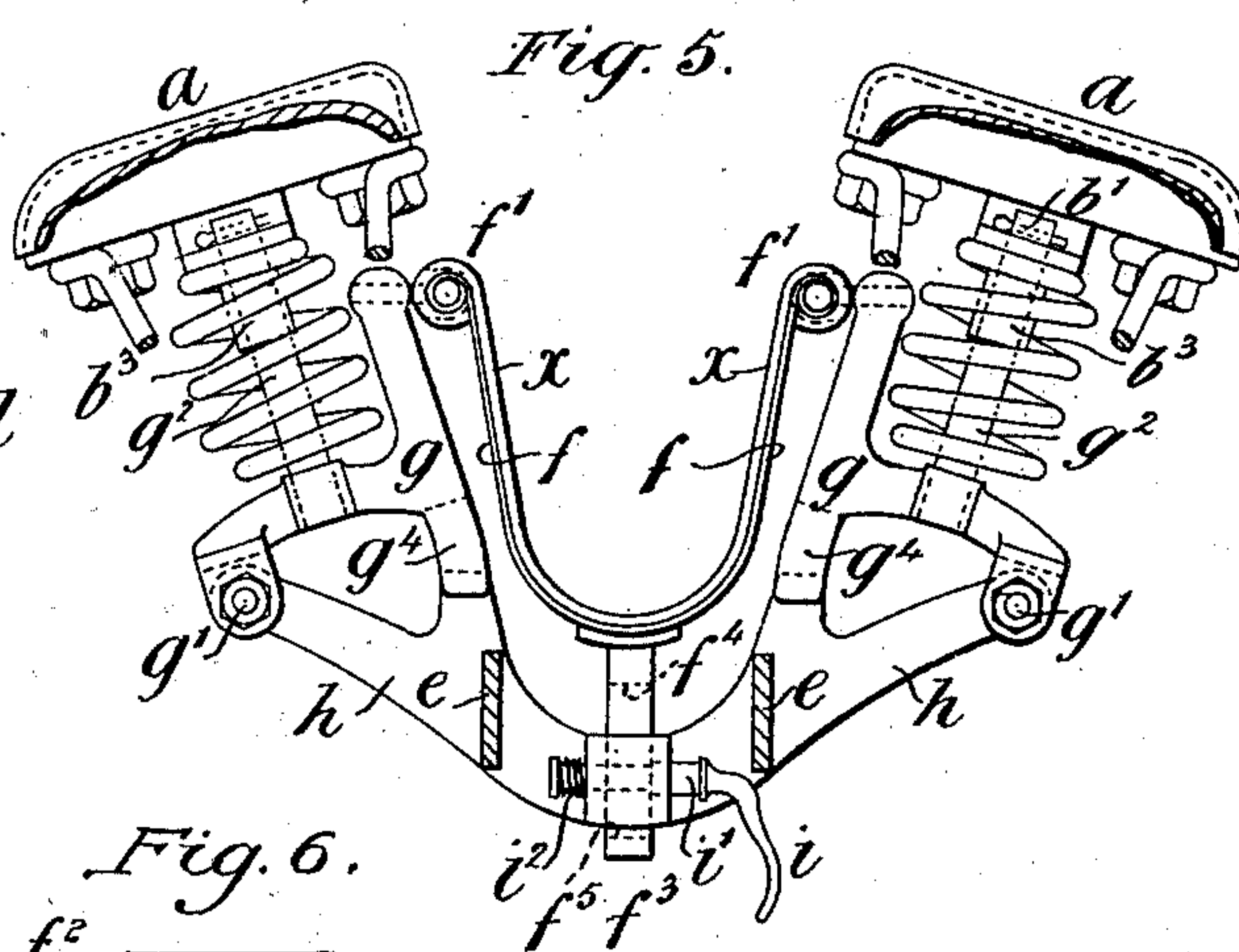


Fig. 5.

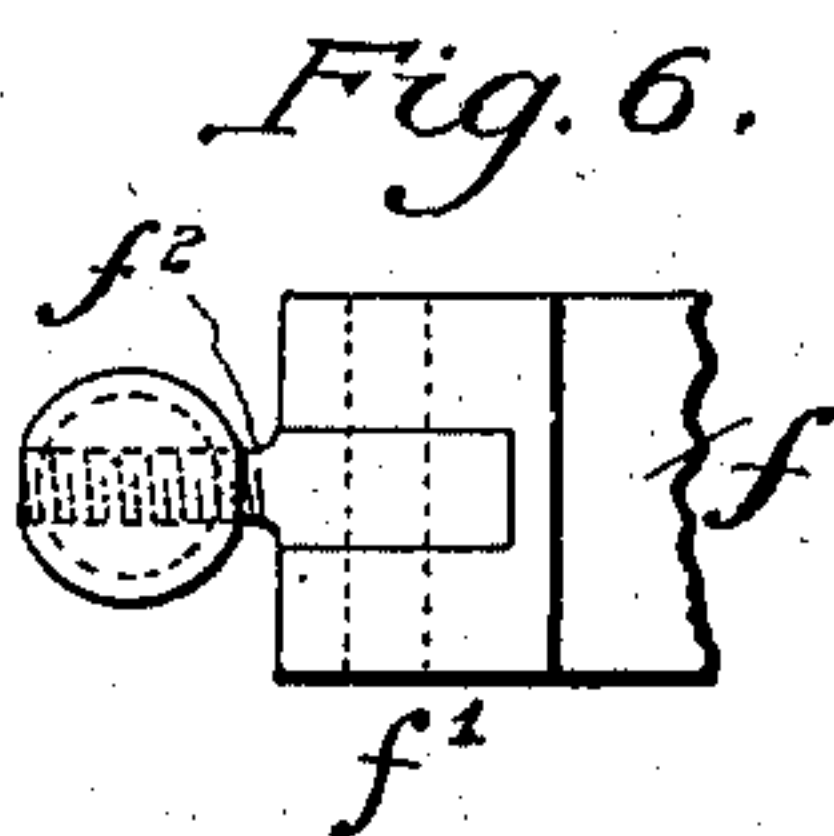


Fig. 6.

WITNESSES:
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UNITED STATES PATENT OFFICE.

JOHN JARVIS, OF KENSINGTON, ENGLAND.

CYCLE-SADDLE FOR SUPPORTING RIFLES OR OTHER ARTICLES.

SPECIFICATION forming part of Letters Patent No. 749,865, dated January 19, 1904.

Application filed April 21, 1902. Serial No. 103,983. (No model.)

To all whom it may concern:

Be it known that I, JOHN JARVIS, a subject of the King of Great Britain and Ireland, residing at 23 Campden Grove, Kensington, in the county of Middlesex, England, have invented an Improved Cycle-Saddle for Supporting Rifles or other Articles, of which the following is a specification.

This invention relates to improved means for carrying rifles and other articles of similar character or shape on bicycles or like road-vehicles, the article being securely held and readily released, while its weight is carried centrally in relation to the machine.

The accompanying drawings illustrate my invention applied, by way of example, to a military bicycle, Figure 1 being a side elevation of a saddle and frame adapted for carrying a rifle. Fig. 2 is an elevation of the saddle, the rear portion being broken away; Fig. 3, a vertical section looking toward the rear end, while Figs. 4 and 5 are views, respectively, similar to Figs. 2 and 3, showing the parts opened or in position to receive the rifles. Fig. 6 is a detail plan view of one end of the spring.

In carrying out my invention according to the example illustrated the saddle is divided longitudinally in two parts a , each part being attached at the fore and after ends, respectively, to supports b , connected together by tie-rods c , the support b at the fore end being capable of adjustment by means of the screw b^2 with a view to preserving the saddle leather in tension. At the fore end a clip is formed by arms d , suspended from the tie-rods c and each hinged at d' to a T-piece or carrier d^2 , whereof the web d^3 is arranged so as to be capable of vertical movement in the fore extremity of the saddle-girder e . Each arm d may be formed with a stop d^4 to engage the upper face of the T-piece d^2 when the clip is closed. At the after end the clip comprises a horseshoe-shaped spring f , whereof each extremity f' is connected with one arm of an angular or bell-crank lever g , the other arm of each lever being hinged at g' to a plate or carrier h , attached to the rear of the saddle-girder e . The extremities $f' f'$ of the horseshoe-spring f may be connected with

the levers g in such a manner that having disconnected the part f^3 the grip of spring f may be adjusted by revolving the same about its points of attachment at $f^2 f^2$. This may be accomplished by mounting the extremities $f' f'$ of the spring upon right-and-left screw-pivots $f^2 f^2$.

Each side a of the saddle is supported by its respective lever g , the latter being provided with a vertical pillar g^2 , whereof the extremity enters a socket b^3 on the under side of the rear support b' for the saddle, a coil-spring g^3 surrounding the pillar and taking a bearing against the saddle-support b' and lever g , respectively. The lever g may be guided in its vertical movement by forming the same with a fork g^4 for engaging the plate or carrier h .

For holding the two parts of the saddle together a spring-trigger i may be arranged on the plate or carrier h in such a manner as to engage a stem f^3 , attached to the horseshoe-spring f by screws or other suitable means. The sliding part i' of the trigger is formed with a reduced portion i^2 , and the stem f^3 is formed with a slot whereof the upper part f^4 coincides in diameter with the diameter of the part i' of the trigger, and the lower part f^5 of the said slot coincides with the diameter of the part i^2 of the trigger. Thus when the clips are closed the parts i' and f^4 of the trigger and slot, respectively, are in engagement, (see Fig. 3,) while when they are open the respective parts i^2 and f^5 are in engagement. (See Fig. 5.)

Assuming the device to be closed and that it is desired to place a rifle in position for being carried by the machine, the hook or trigger i is released, whereupon the horseshoe-spring f opens, with the effect that each half a of the saddle turns outward upon the hinge g' of its respective lever g , the horseshoe-spring f at the same time being raised from off the plate or carrier h , Fig. 5. The clip d at the fore end simultaneously follows the movements of the rear clip by reason of the tie-rods c , which connect the two supports of the saddle. Having inserted the rifle between the clips d and f , the two sides a of the saddle may be brought together by de-

pressing the rifle therein or the operator may draw the sides together. This has the effect of lowering the stem f^3 , which is thereupon locked by the trigger, the sides of the saddle, together with the clips, being thus held securely.

In some instances it may be found requisite to provide an auxiliary clip for more effectually securing the rifle. This clip (shown at k) may be fitted to the saddle-girder e and may be constructed of spring metal and formed with shoulders k' k' , arranged in such a manner that upon their engaging with the girdle e the sides of the clip are caused to firmly grip the article being carried. The attachment to the girder may be effected by bolting the clip to a plate k^2 , adapted to engage the under side of the girder.

The clips may be suitably lined, as indicated at x , with a view to preventing injury to the article being carried.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A longitudinally-divided saddle for use in carrying rifles, or other articles of similar character or shape, on cycles, having supports for the fore and after ends, the rods connecting the supports, a clip at the fore end comprising arms suspended from the tie-rods and hinged to a vertically-movable carrier and a clip at the after end comprising a horseshoe-shaped spring provided with a stem and means for holding the said stem in order to secure the spring in its closed position substantially as described.

2. A longitudinally-divided saddle for use in carrying rifles or other articles of similar character or shape on cycles, having a clip at the fore end consisting of two arms hinged to a vertically-movable carrier, ties and a girder for connecting the arms and carrier of the said clip to the rear end of the saddle, a horseshoe-shaped spring-clip arranged at the rear end, a pair of bell-crank levers each having an arm connected to an extremity of the horseshoe-clip, a carrying-plate to which the other arm of the bell-crank levers is pivoted and a support at an intermediate point in each of the

last-mentioned arms for the rear end of one portion of the saddle substantially as described.

3. A longitudinally-divided saddle for use in carrying rifles or other articles of a similar character or shape on cycles, two arms at the fore end, ties for connecting the upper ends of the arms to the rear of the saddle, a T-piece to which the lower ends of the arms are pivoted and having a slot in its stem, a girder provided with a bolt which engages the slot in the T-piece, levers pivoted to a plate at the rear end of the girder, supports on the levers for carrying the rear ends of the saddle and a spring-clip connected with the said levers substantially as described.

4. A longitudinally-divided saddle for use in carrying rifles or other articles of similar shape or character on cycles, having a clip at the fore end connected by ties to the rear of the saddle, a girder supporting said clip, two bell-crank levers pivoted to a plate at the rear end of the girder each carrying one of the rear ends of the saddle, a horseshoe-shaped spring having its ends connected with the levers, a slotted stem secured to the spring and a trigger engaging the slotted stem so as to hold the spring in its open or closed position substantially as described.

5. A longitudinally-divided saddle for use in carrying rifles or other articles of similar shape or character on cycles having a clip at the fore end connected by ties to the rear of the saddle, a girder supporting the said clip, two bell-crank levers pivoted to a plate at the rear end of the girder each carrying one of the rear ends of the saddle, a horseshoe-shaped spring, and right and left hand screws for connecting the ends of the spring with the levers substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN JARVIS.

Witnesses:

GEORGE J. SPRING,
HENRY J. REEKS.