

No. 774,184.

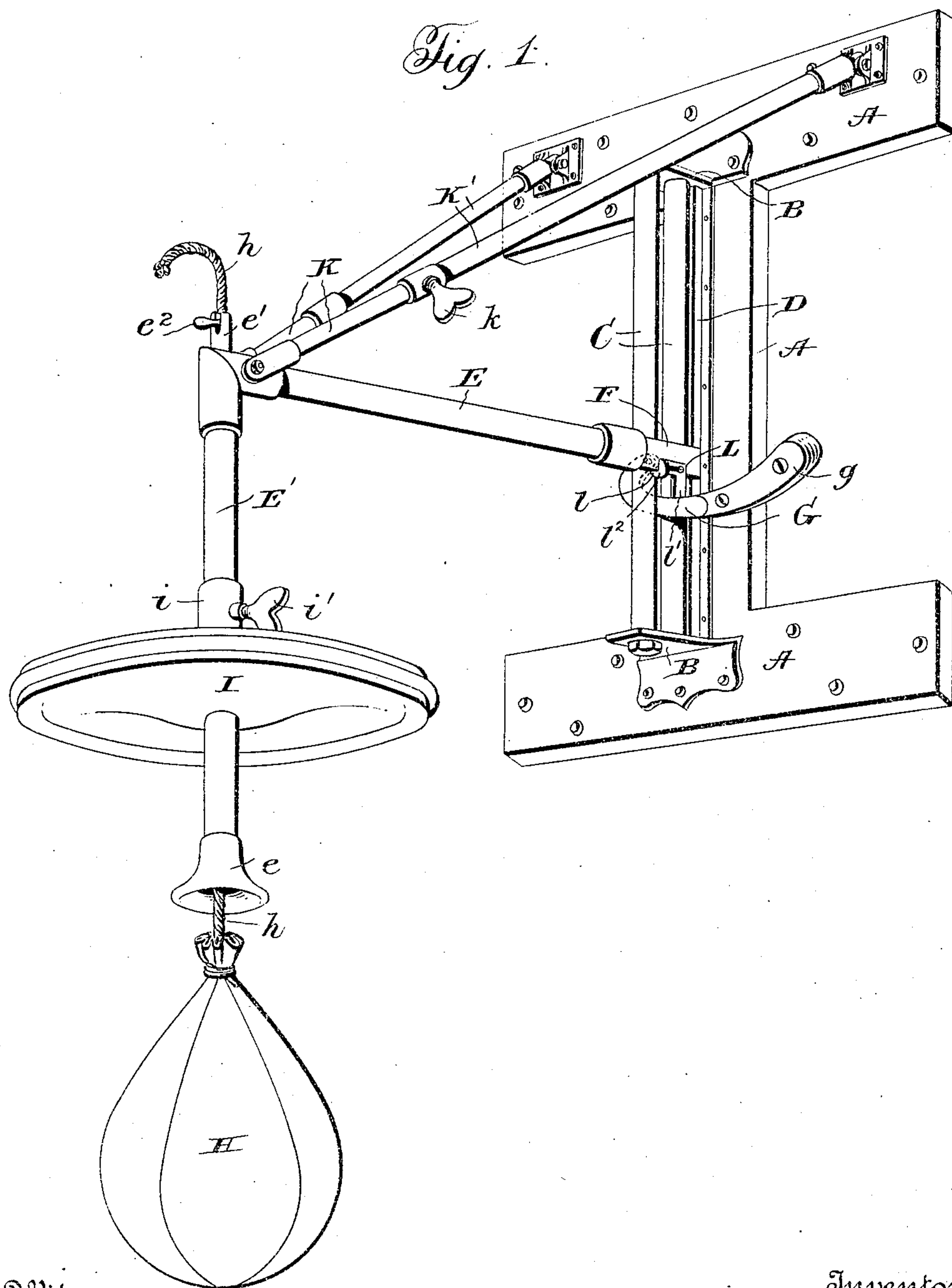
PATENTED NOV. 8, 1904.

J. G. KEITH.
PUNCHING BAG.

APPLICATION FILED APR. 30, 1904.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses:

James Hutchinson
John R. Heath

Inventor:

John G. Keith
By *J. Conner Ray*, Attorney

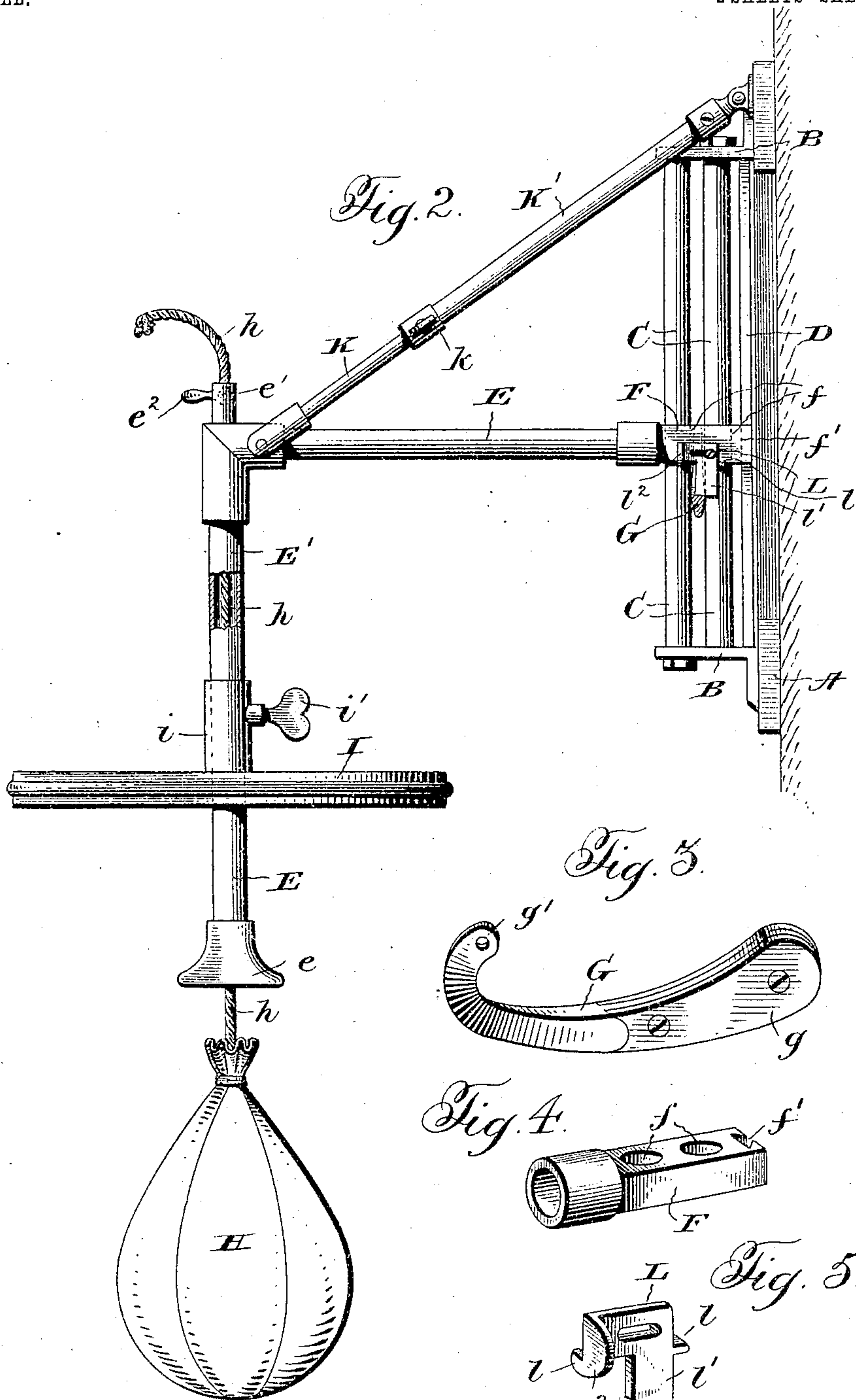
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Witnesses:

Jas. Hutchinson.
Thos. C. Heath.

Inventor:

John G. Keith,
By J. Errol Ray, Attorney.

UNITED STATES PATENT OFFICE.

JOHN G. KEITH, OF BROOKLYN, NEW YORK.

PUNCHING-BAG.

SPECIFICATION forming part of Letters Patent No. 774,184, dated November 8, 1904.

Application filed April 30, 1904. Serial No. 205,744. (No model.)

To all whom it may concern:

Be it known that I, JOHN G. KEITH, a subject of the King of Great Britain and Ireland, residing at 246 Fulton street, borough of Brooklyn, in the county of Kings, city and State of New York, have invented new and useful Improvements in Punching-Bags, of which the following is a specification.

This invention relates to an improvement in punching-bag supports; and its object is the provision of a punching-bag support which is adjustable to different heights.

A further object is the provision of a punching-bag support which is adjustable to different heights, all the parts of said support being secured to a single plate which can be readily attached to or detached from a wall.

A further object of the invention is the provision of means for bracing the punching-bag support in any of its adjusted positions to give rigidity thereto.

A still further object is the provision of an improved clutch for securing the support in its adjusted position.

In the drawings accompanying this specification, wherein a preferable embodiment of my invention is shown and wherein like letters of reference refer to similar parts in the several views, Figure 1 is a perspective view of my improved punching-bag support secured to a wall. Fig. 2 is a side elevation of the same, and Figs. 3, 4, and 5 are detail views of the clutch for locking the support in its adjusted positions.

Referring now more particularly to the drawings, A is a base-plate, which is adapted to be secured to the wall in any suitable manner. Secured to the upper and lower portions of the base-plate and extending substantially at right angles therefrom are the angle-brackets B B, in which are secured in any suitable manner the guide-rods C C.

D is a T-rail secured to the base-plate A between the brackets B B and directly behind the guide-rods C C.

The punching-bag support comprises the substantially horizontal arm E and the downwardly-extending arm E', rigidly secured to the outer end thereof in any suitable manner.

To the inner end of the rod E is secured a

block F, provided with two vertically-disposed apertures f , which are adapted to receive the guide-rods C C, and vertically-disposed slot f' , which is adapted to receive the flange of the T-rail D. The block F also carries a clutch-lever G and a lock L therefor holding the support in various positions of adjustment on the guide-rods C C, as is clearly shown in Figs. 3 and 4. The downwardly-extending arm E' of the support is made hollow to permit of the passage therethrough of the cord h , which supports the bag H, and the lower end of said arm is made bell-shaped, as at e , to prevent the cutting or chafing of the cord h against the edges thereof when the bag is struck. The upper end of the arm E' of the support is provided with a tubular sleeve e' , through which the cord h passes, said sleeve being provided with a cam-lever e'' or other suitable locking means to clamp the cord therein. It will thus be seen that by clamping the cord in the desired position in the sleeve the bag H can be caused to hang a greater or lesser distance from the open end e of the arm E', according as the user desires to cause the bag to swing in a large or small arc.

I is a disk-shape striking-plate secured upon the arm E' and against which the bag H contacts when struck. The striking-plate I is provided with a centrally-disposed aperture and with a sleeve i , secured to its upper side and forming a combination of said aperture, through which the arm E' passes.

The sleeve i is provided with a set-screw i' or other suitable locking means, by means of which the striking-disk may be clamped in any desired position of adjustment on the arm E'. Pivotally secured to opposite sides of the arm E of the support near its outer end are a pair of rods K K, the free ends of which are in a telescopic engagement with the hollow tubes K' K', the outer ends of which are pivotally connected, in any suitable manner at points some distance apart, to the base-plate A. Secured in the free ends of the hollow tubes K' K' are set-screws k k , by means of which the rods K K and tubes K' K' may be rigidly connected. It will be seen that the rods K K and the hollow tubes K' K' form braces which will hold the support rigid re-

gardless of the position to which it is adjusted on the guide-rods C C.

I will now describe the particular form of lock which I purpose using to hold the support in various positions of vertical adjustment.

G is a clutch-lever provided at one end with a suitable handle *g*. The opposite end of the lever G is bent back upon itself to form the hook-like portion *g'*. The lever G diminishes in thickness from the handle *g* to the hooked end *g'* and also from its upper to its lower edges, the thickness of the lever at the hooked end being less than the width of the space between the bars C C and the thickness of the part of the lever adjacent the handle being greater than the width of said space. The hook-shaped end *g'* of the lever projects through the bars C C and is pivotally secured in any suitable manner to the rear side of the block F.

From the above-described construction it will be seen that when the handle *g* of the lever G is elevated the narrow portion or end of the lever will be drawn into the space between the bars C C and the block F will be free to move thereon, and when the handle is dropped the lever G will fall, and owing to its peculiar shape the thickest portion thereof will come between the bars C C and exerting a wedge action thereon will lock the block F in position. In order to prevent the accidental dislodgment of the clutch-lever G, I have provided a lock L therefor to hold the same in its lowered position. The lock L comprises a plate mounted to slide transversely on the block F by means of a pin-and-slot connection therewith, said plate being kept from rocking by means of rearwardly-extending lugs *l*, which underlie the lower edge of the block F. The plate L is provided with a depending portion *l'*, which when the plate is pushed as far as possible to the left is adapted to overlies the upper portion of the lever G and hold the same in its lowered position. The lower edge of the depending portion *l'* is preferably cam-shaped, so that when it is moved to overlies the lever G it will by contact with the upper edge thereof force the same down into engagement with the bars C C. The lock L is also provided with a suitable operating-handle *l''*.

Having described the construction of my device, I will now set forth the manner of using the same. The set-screws *k k* of the braces are first loosened. The clutch G is then loosened, and the arm E is then slid along the guide-rods C C to the desired position, and the clutch is operated to lock it in said position. The support having been secured in the desired position on the guide-rods C C, the set-screws *k k* of the braces are then tightened. By means of the clamp *e'* the bag H is adjusted to hang the desired distance from the end of the arm E', according to the arc in which

the user desires it to swing, and the strike-plate I is then adjusted on the arm E', by means of the set-screw *i'*, to such a position that the bag will contact therewith when struck.

I do not desire to limit myself to the precise form of support shown in the drawings, as it is obvious that many minor changes might be made thereto without departing from the spirit of the invention.

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

1. A device of the character described comprising a base-plate adapted to be secured to a wall, a supporting-arm adjustably secured to said base-plate, and an extensible brace connecting said supporting-arm and said base-plate.

2. A device of the character described comprising a base-plate adapted to be secured to a wall, a supporting-arm adjustably secured to said base-plate, and a brace member connecting said supporting-arm and said base-plate, said brace member comprising a rod pivotally connected to said supporting-arm and a tube in telescopic engagement therewith, the outer end of which is pivotally connected to the base-plate.

3. A device of the character described comprising a base-plate, a supporting-arm vertically adjustable on said base-plate, and telescoping brace connecting said supporting-arm and said base-plate.

4. A device of the character described comprising a base-plate, a supporting-arm adjustably secured to said base-plate, and an adjustable brace connecting said supporting-arm and base-plate.

5. A device of the character described comprising a base-plate, a guide-rod secured to said base-plate, a supporting-arm adjustable on said guide-rod, and a plurality of extensible braces connecting said supporting-arm and said base-plate.

6. A device of the character described comprising a base-plate, a supporting-arm adjustable thereon, a punching-bag adjustably suspended from said supporting-arm and a striking-plate adjustably secured to said supporting-arm above the bag.

7. In a device of the character described, a supporting-arm provided with a downwardly-extended portion, a punching-bag flexibly and adjustably suspended from the downwardly-extending portion, and a striking-plate adjustably secured on said downwardly-extending portion.

8. In a device of the character described, a supporting-arm provided with a hollow downwardly-extending portion, a cord attached at one end to a punching-bag passing through the hollow portion of the supporting-arm, a clamp secured to the downwardly-extending portion of the supporting-arm and adapted

to engage the cord, and a striking-plate adjustably secured on said downwardly-extending portion.

9. A device of the character described comprising a pair of guide-rods adapted to be secured to a wall, a supporting-arm slidable on said guide-rods, and a wedge-shaped lever projecting through said guide-rods and having one end pivotally connected to said supporting-arm.

10. A device of the character described comprising a pair of guide-rods, a supporting-arm provided at one end with a block slidable on said guide-rods, a wedge-shaped lever projecting through the guide-rods and having its end pivotally secured to the block, and a lock-plate slidable on said block and provided with a depending portion arranged to overlie the

upper edge of the lever and hold the same in its lowermost position.

11. A device of the character described comprising a base-plate adapted to be secured to a wall, a vertically-disposed guide-rod secured to said base-plate, a supporting-arm slidable on said guide-rod, a clutch carried by said supporting-arm for securing the same in various positions of adjustment on the guide-rod, and an adjustable brace member connecting said supporting-arm and said base-plate.

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

JOHN G. KEITH.

Witnesses:

EDMOND C. BROWNE,
JOHN KAISER.