

Nov. 17, 1953

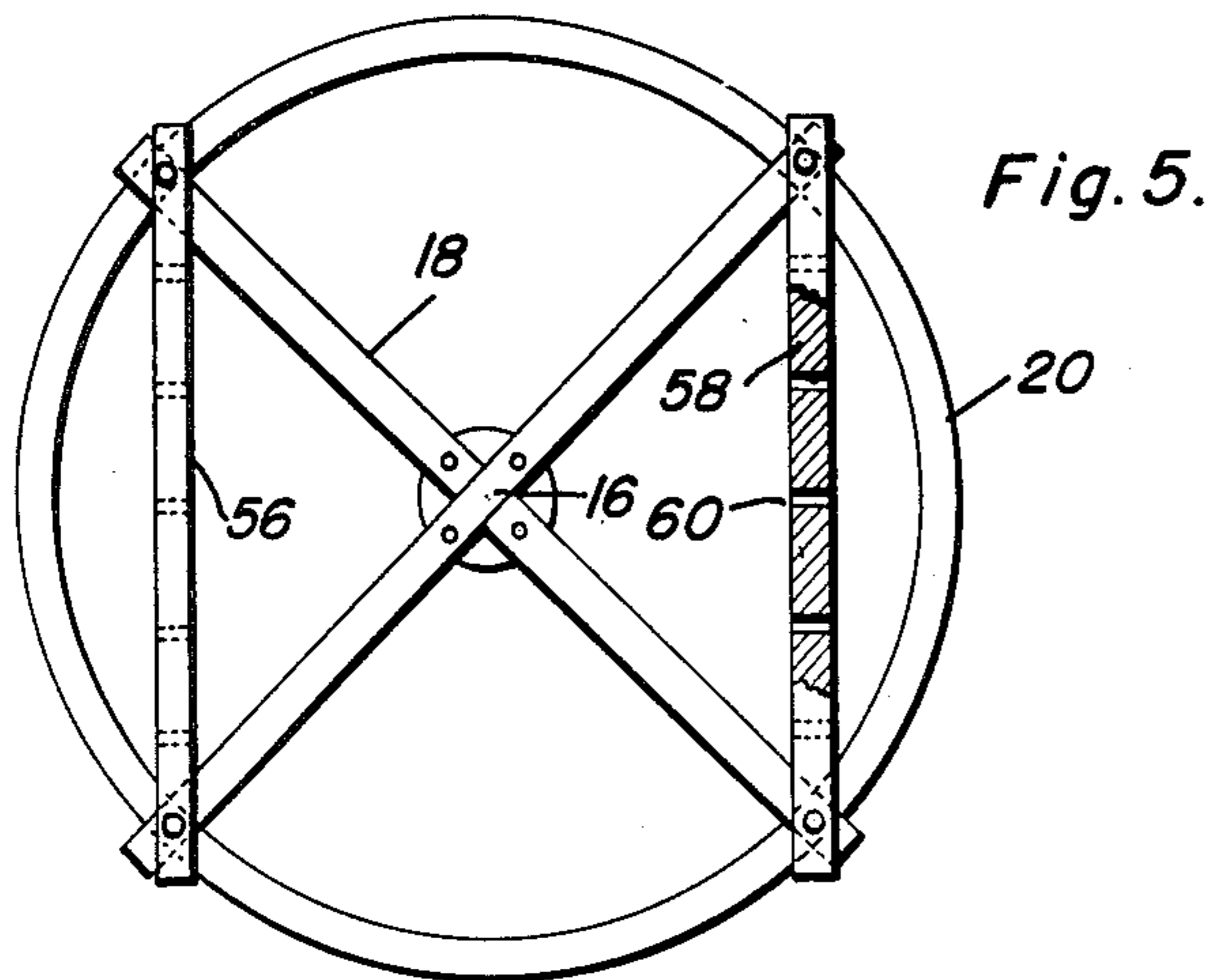
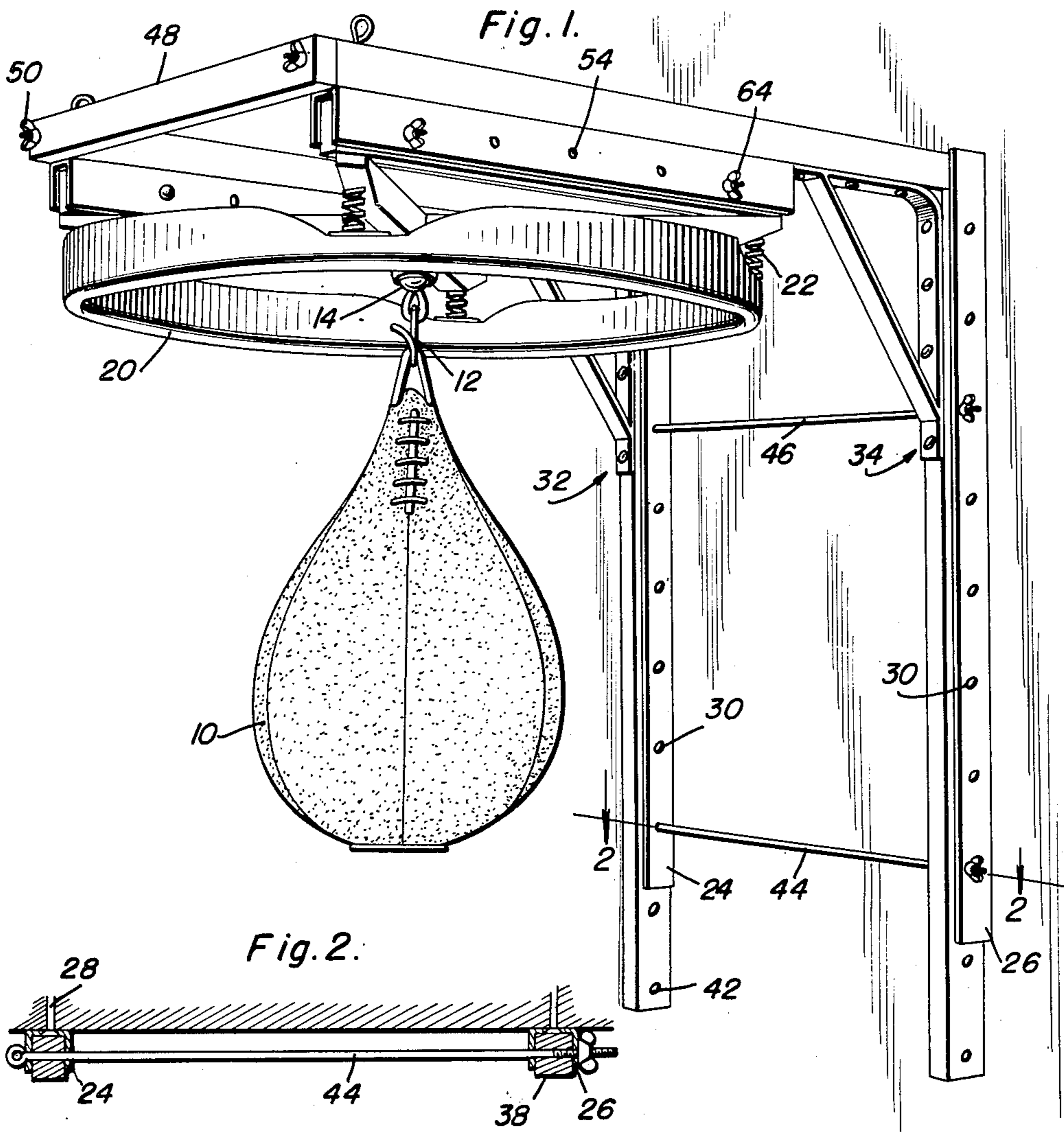
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2,659,603

PUNCHING BAG APPARATUS

Filed Oct. 4, 1951

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

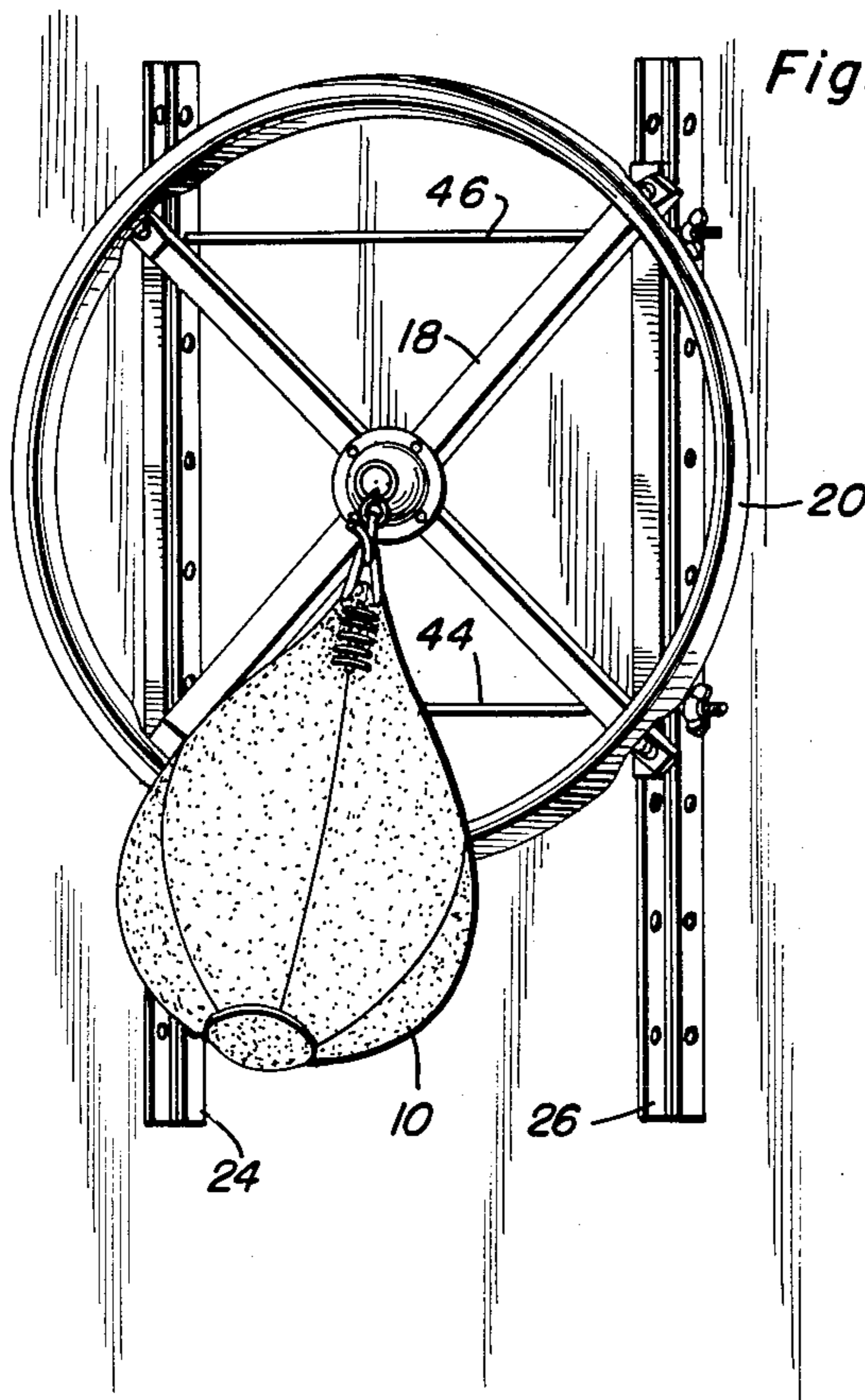


Fig. 6.

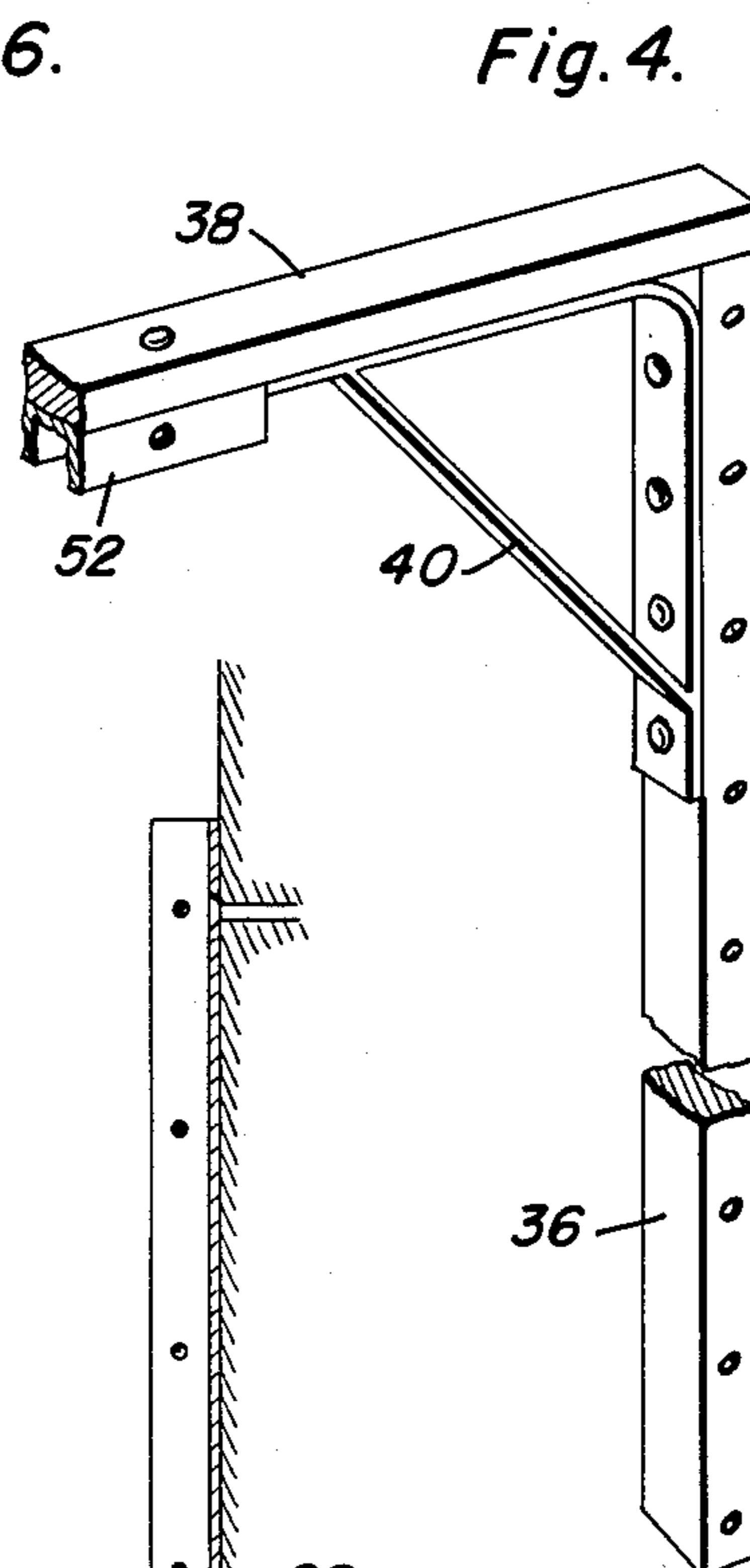


Fig. 4.

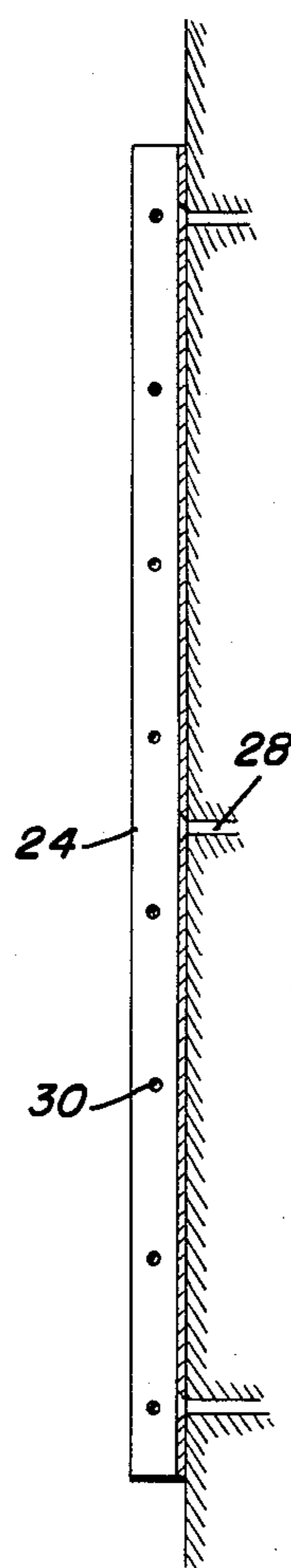


Fig. 3.

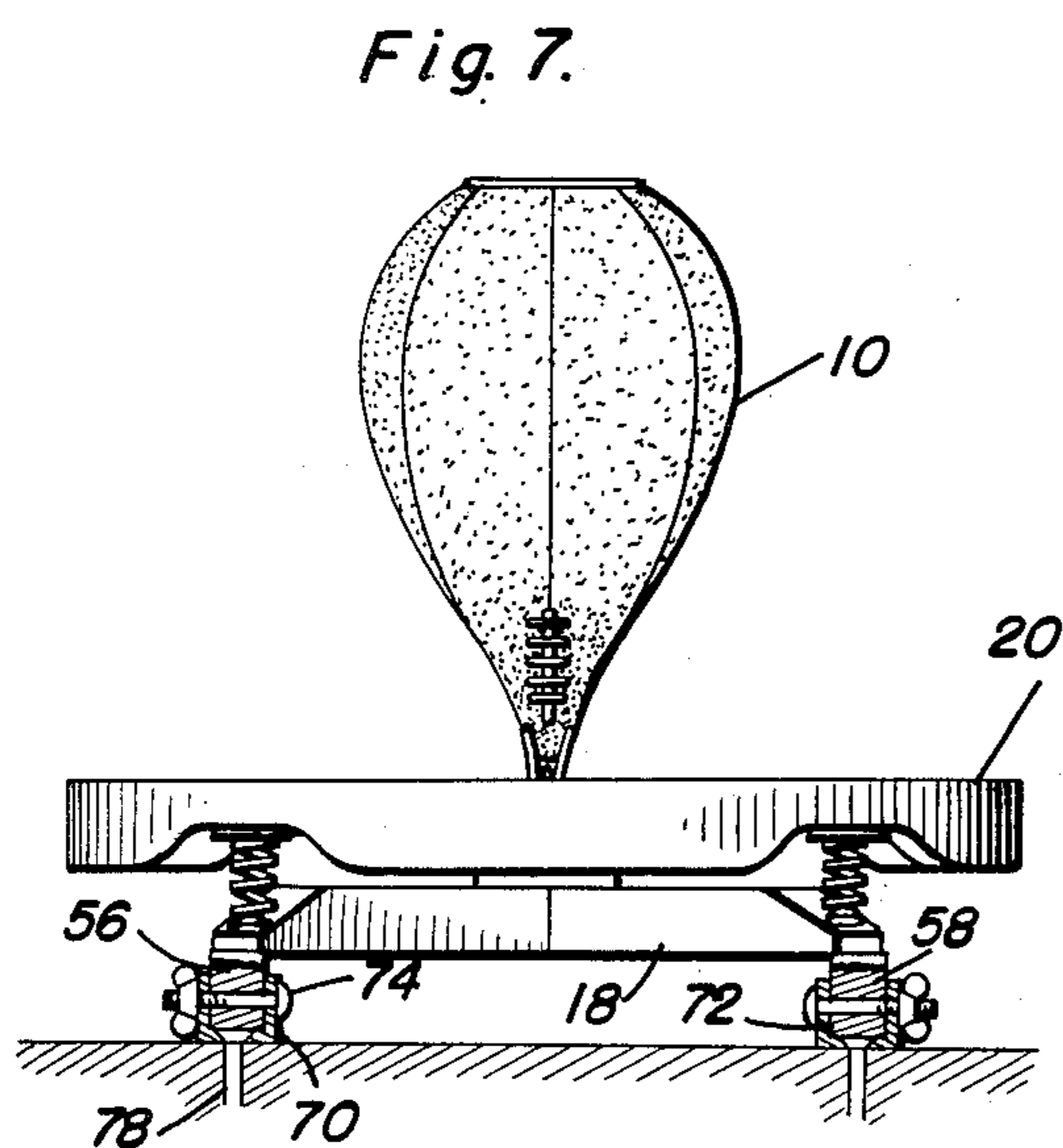


Fig. 7.

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UNITED STATES PATENT OFFICE

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PUNCHING BAG APPARATUS

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2 Claims. (Cl. 272-78)

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This invention relates to a punching bag apparatus and particularly an adjustable mounting for a punching bag so that the punching bag may be located in any desired vertical or horizontal position.

In the utilization of punching bag apparatus, it is desirable to mount the punching bag at various heights from the floor so that various people may utilize the bag with equal comfort. Also, it is desirable to be able to mount the bag on a vertical surface so that a different type of exercise may be had thereby. Likewise, it is frequently desirable to mount the punching bag on the floor for still a different type of exercise.

The present invention provides a universal mounting arrangement by which the punching bag may be mounted in any desired position and adjusted to vertical height either on the horizontal or on the vertical mount.

According to this invention, this is accomplished by using a pair of angle frames having vertical arms or standards which are received in anchor channels and also having anchor channels or similar channels on the horizontal arm of the angle member and a rail or rails on the punching bag support so that the bag may be adjustably connected either on the horizontal standard or onto the vertical channels.

It is accordingly an object of this invention to provide an improved mounting for a punching bag.

It is a further object of this invention to provide a mounting which is interchangeable between vertical and horizontal positions.

It is a further object of this invention to provide a punching bag mount having channel members selectively engaged by the punching bag mount.

Other objects and many of the attendant advantages of this invention will be apparent from the following detailed description taken in conjunction with the accompanying drawing in which:

Figure 1 is a perspective view of the punching bag apparatus in assembled position and mounted on a wall;

Figure 2 is a cross-section through the anchor channels taken substantially on a plane indicated by the line 2-2 of Figure 1;

Figure 3 is a vertical section through the anchor channel;

Figure 4 is a perspective view of one of the angle members with parts broken away;

Figure 5 is a plan view of the mounting frame with parts broken away and in section;

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Figure 6 is a perspective view showing a mounting frame mounted in the anchor channel on a wall; and

Figure 7 is a view showing the apparatus mounted on the floor.

In the exemplary embodiment of this invention, a punching bag 10 is mounted on a hook 12 which in turn is mounted in a swivel 14 in the center 16 of a cross frame 18. A rebound ring 20 is resiliently connected to the cross frame by means of suitable resilient members such as spring 22.

In order to mount the bag on a wall or other suitable surface, a pair of channel members 24 and 26 are anchored firmly onto the vertical surface by means of suitable fasteners 28. Each of the anchor channels 24 and 26 is provided with a plurality of equally spaced holes 30 extending substantially throughout the length of the anchor 10. A pair of angle members 32 and 34 are identical and each contains a vertical arm 36 and a horizontal arm 38, brace members 40 being connected across the angle to rigidify the arms 36 and 38 with respect to each other. The vertical arms are provided with holes 42 which are identically spaced with regard to the holes 30 in the members 24 and 26 so that fastening members 44 and 46 may selectively extend through any of the holes 42 or 30 to selectively secure the angle members with respect to the anchor channels so that the height of the angle members may be established to any desired height above the floor. Horizontal members 38 of the angle members are generally spaced apart and held rigidly spaced by means of a brace 48 connected to the ends of the horizontal arms 38 by means of suitable fasteners 50. Secured to the underside of the horizontal members 38 are channel members 52 which are identical in every respect to the anchor channels 24 and 26 so that they are substantially interchangeable therewith. The channels 52 are provided with suitable openings 54 identically spaced and of identical size as the openings 30 and 42 in the anchor channel and the vertical arm. Mounting platform 18 is provided with a pair of mounting rails 56 and 58 which are slidably received in the channels 52 and have openings 60 identical as to spacing and size with the openings in the channels 24 and 26 and the channels 52.

To mount the bag in a horizontal position overhead, the rails 36 are adjusted in the anchor channels 24 and 26 and the members 44 and 46 inserted to adjust the horizontal members at the desired height above the floor. The mount-

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ing rails are then inserted in the horizontal channel 52 and suitable fasteners 64 are selectively engaged with the openings 54 and 60 so that the platform is at a desired distance from the vertical surface.

In order to mount the punching bag in a vertical position, the angle members 36 are removed from the anchor channels by removing the fastening members 44 and 46 and the mounting rails 56 and 58 are slidably received in the anchor channels 24 and 26, and the fastening members 44 and 46 are selectively engaged with the openings 30 and 60 to mount the bag at any desired height in front of the operator.

In order to mount the bag for operation on the floor, channel members 70 and 72 are anchored to the floor by means of suitable fasteners such as screws 78. The mounting rails 56 and 58 are then slidably received in the channels 70 and 72 and selectively connected by means of fasteners 74.

While for purpose of illustration, a specific embodiment of the invention has been shown and described according to the best present understanding thereof, it will be apparent, to those skilled in the art, that changes and modifications can be made therein without departing from the true spirit of the invention.

Having described the invention, what is claimed as new is:

1. A punching bag apparatus comprising a pair of parallel vertical anchor channels, a pair of angle members, said angle members having vertical and horizontal arms, a brace applied at the angular corner to rigidify the angle members, the vertical arms of said angle member being slidably received in said anchor channels, a plurality of equally spaced holes in said anchor members, and in said vertical arms, fastening means selectively engaging said holes to adjustably anchor said angle members in any desired position, a supporting frame, a bag mounted on said frame, a channel member on each horizontal arm of said angle members, a pair of mount-

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ing rails on said supporting frame, said rails being slidably received in said channel members, holes in said rails and said channel members, said holes being equally spaced with the holes in the anchor channels, fastening means selectively engaging pairs of said holes.

2. A punching bag apparatus comprising a cross frame, a pair of parallel mounting rails on said frame, a swivel mounted at the center of said frame, a mounting hook on said swivel, a rebound ring resiliently mounted on said frame, a pair of parallel channel members secured in a vertical position, a plurality of equally vertically spaced pairs of mounting holes in said channels, a pair of angle frames, each angle frame including a vertical standard receivable in one of said channels, each of said standards having a plurality of holes matching the holes in said channel members, fastening means selectively inserted through matching holes to rigidly mount the angle frames at any desired height, a brace for securing the outer ends of the angle frames in fixed spaced relation, a horizontal channel member mounted beneath each horizontal portion of the angle members, said horizontal channel members having holes spaced similar to the vertical channels, said mounting rails having holes matching the holes in said horizontal channel members, fastening means selectively securing said rails in said channels to adjustably secure said frame with respect to said vertical standards.

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