

(No Model.)

H. V. HARTZ.
SNATCH BLOCK.

No. 387,071.

Patented July 31, 1888.

FIG. I.

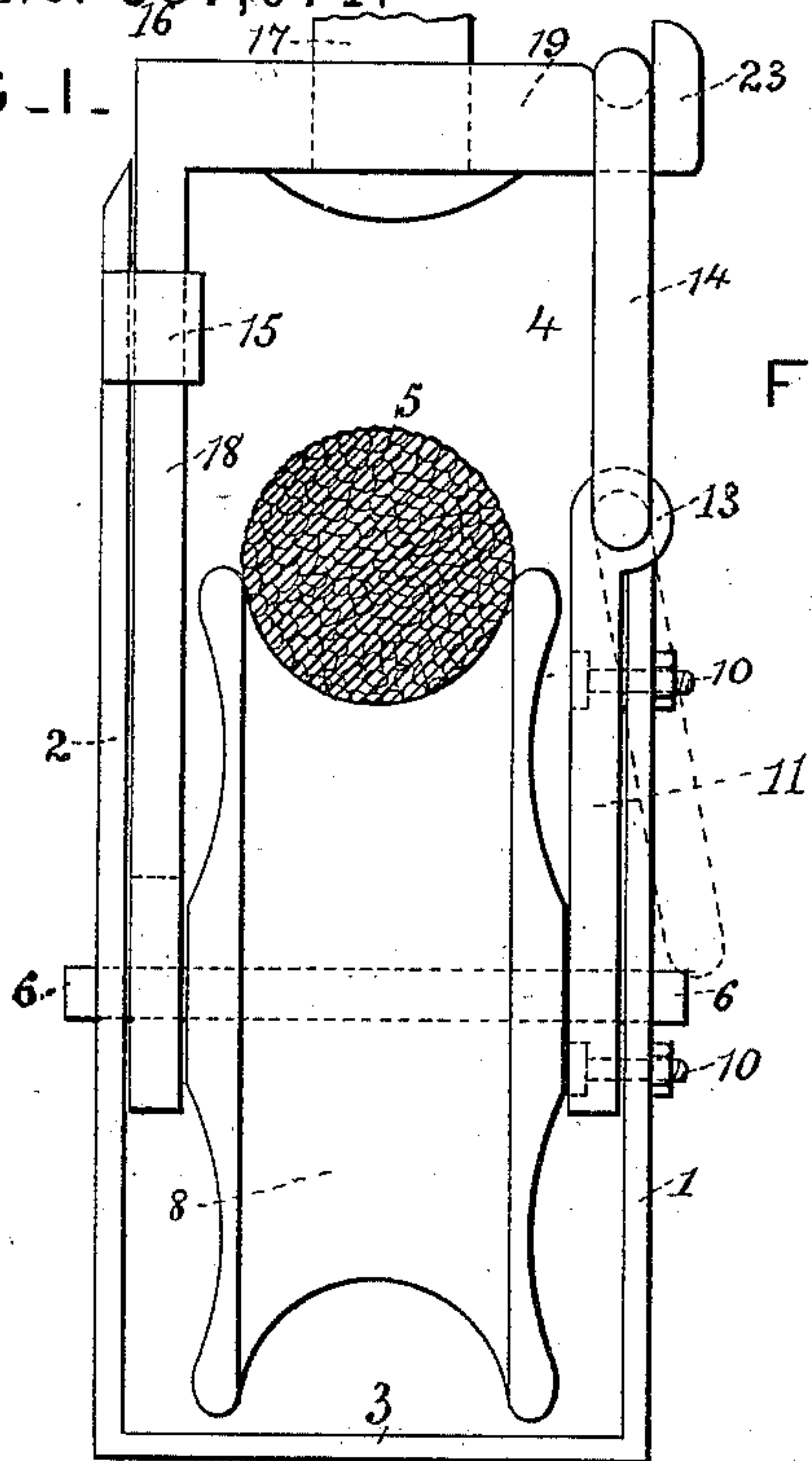


FIG. III.

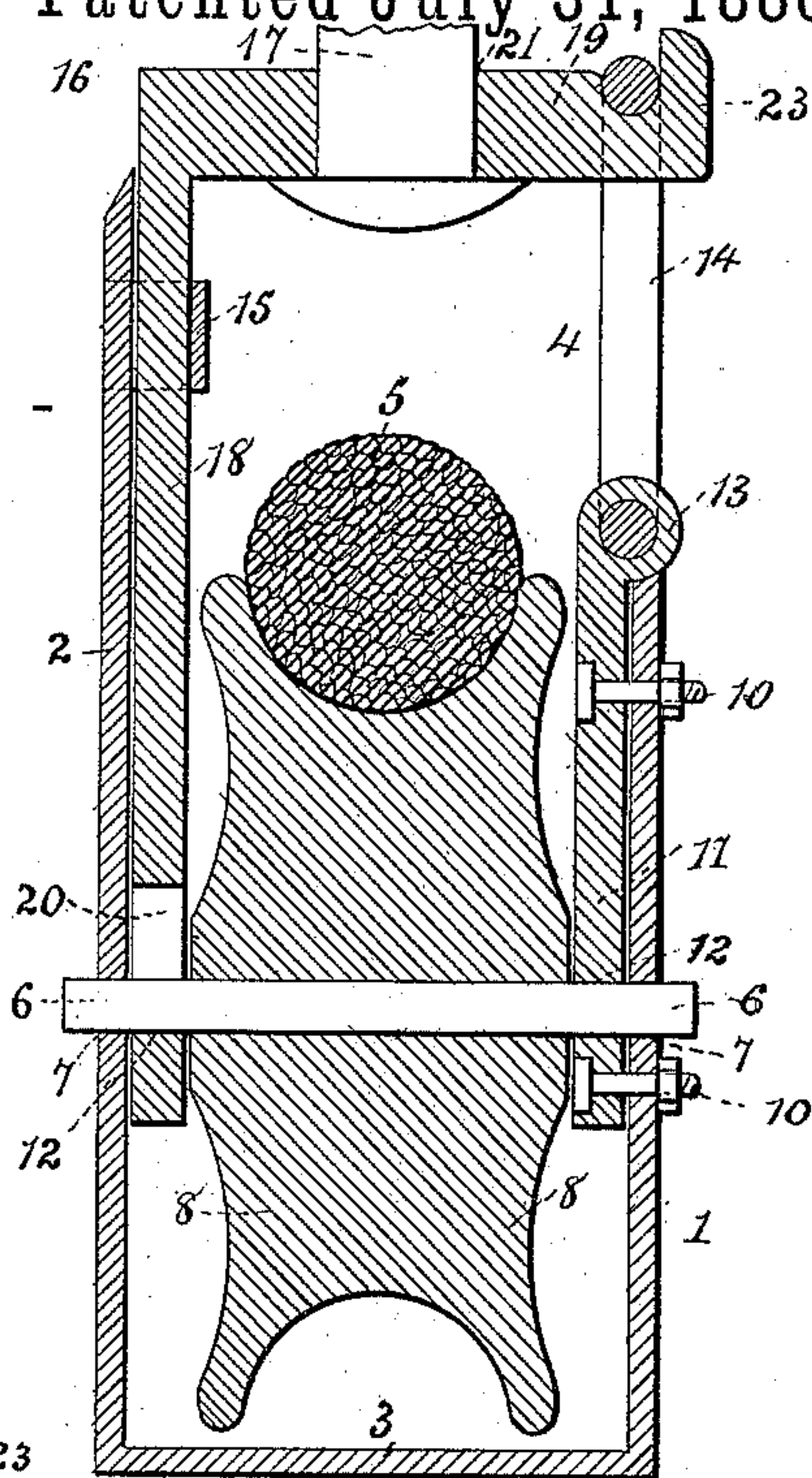


FIG. II.

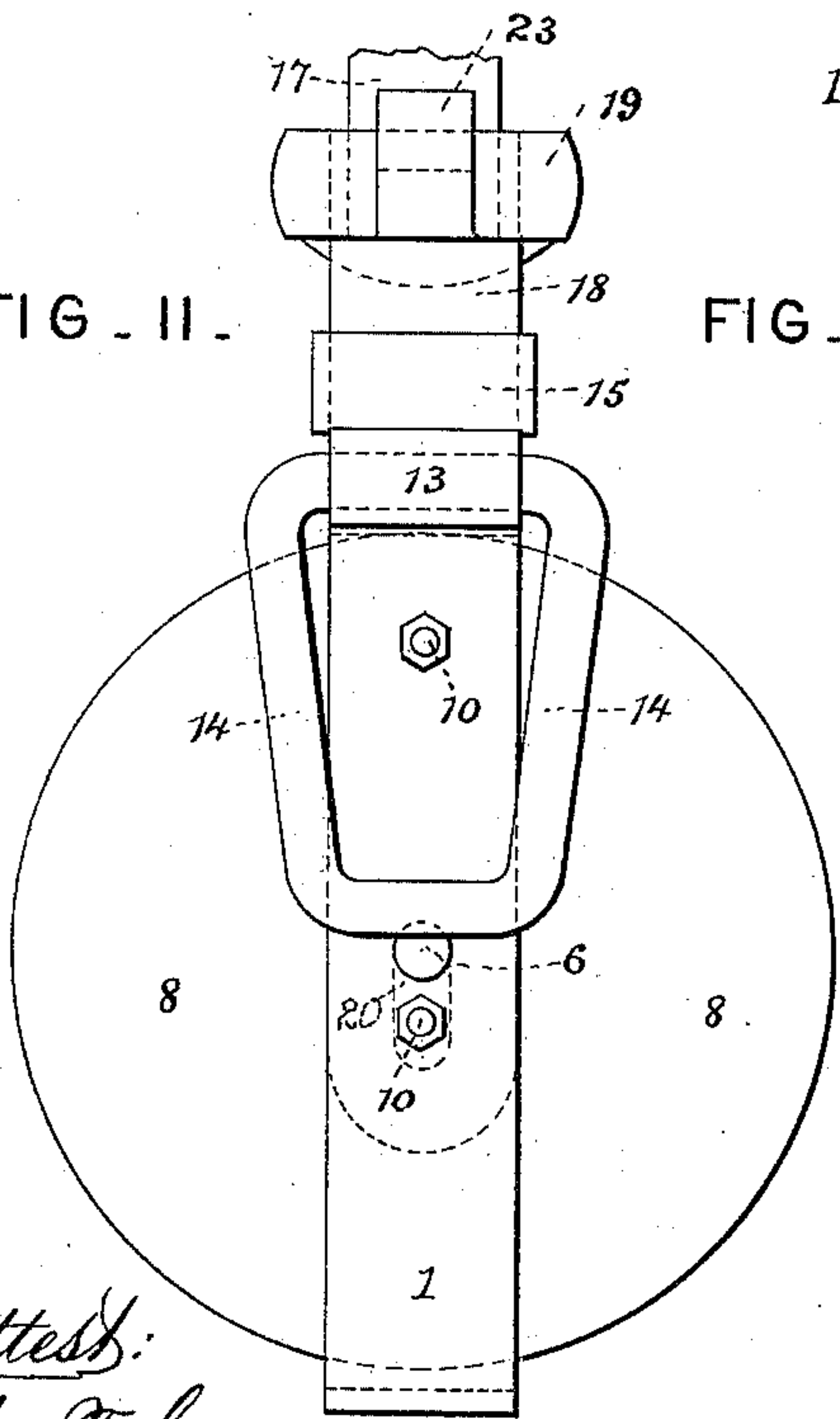


FIG. IV.

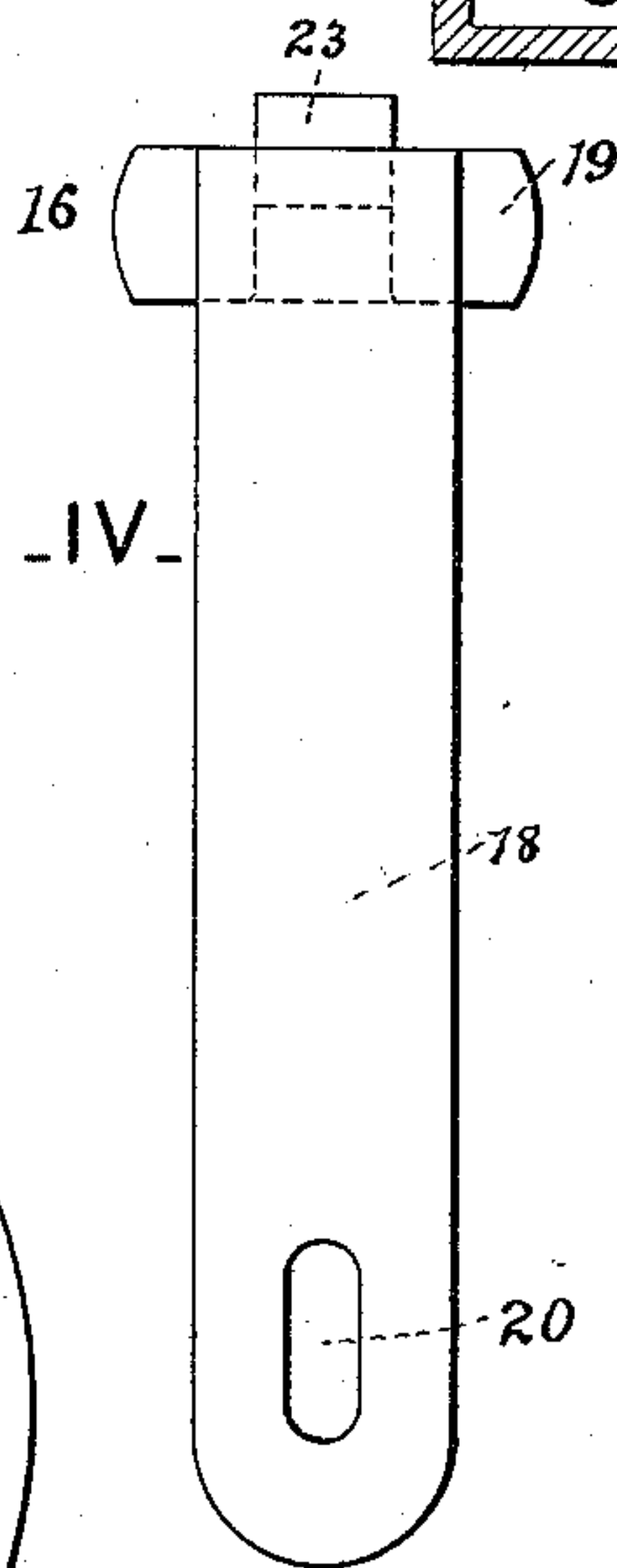


FIG. V.

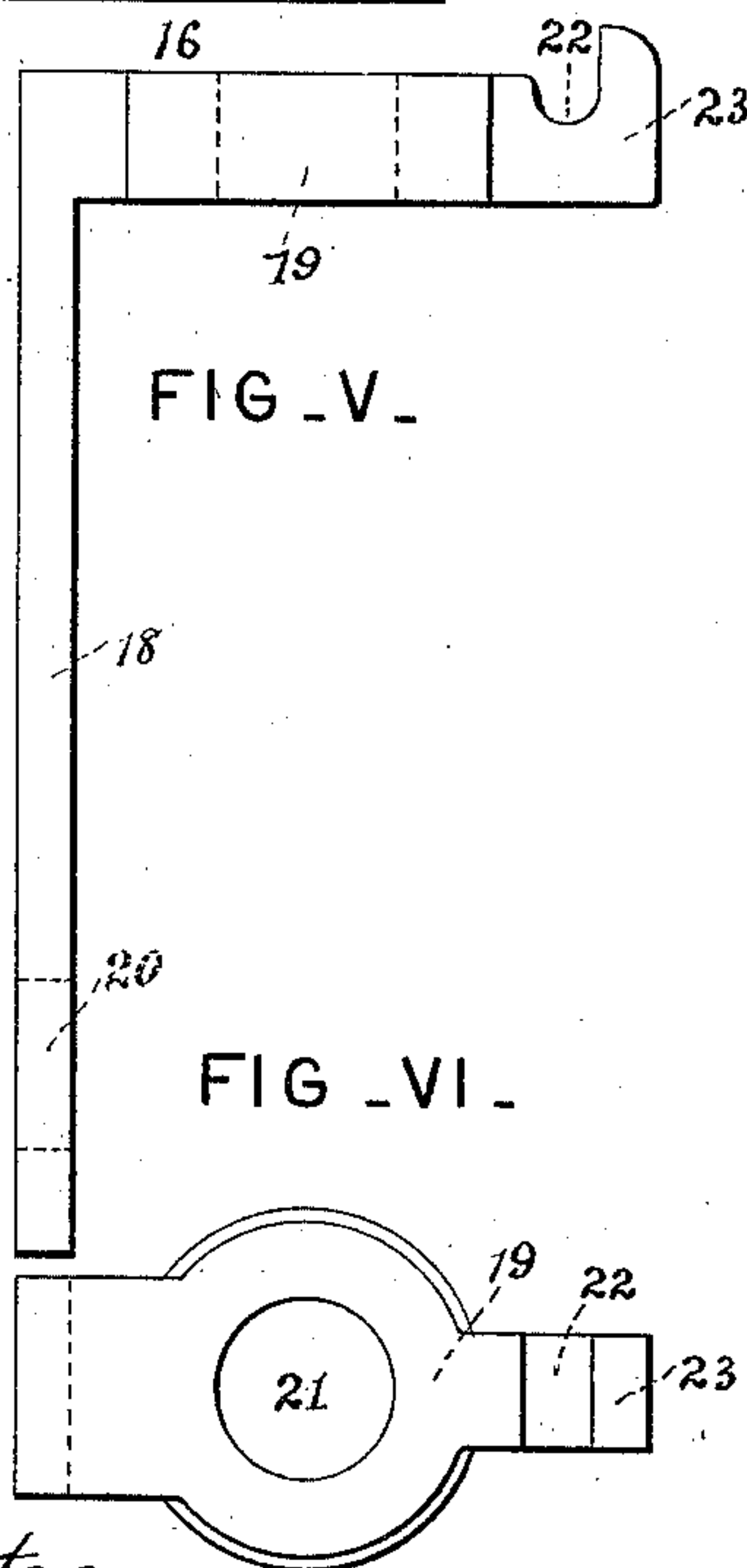


FIG. VI.

Attest:
Geo. T. Smallwood.
Walter Allen.

Inventor:
Henry V. Hartz.
By Knight Bros. Attys.

UNITED STATES PATENT OFFICE.

HENRY V. HARTZ, OF CLEVELAND, OHIO.

SNATCH-BLOCK.

SPECIFICATION forming part of Letters Patent No. 387,071, dated July 31, 1888.

Application filed April 18, 1888. Serial No. 271,034. (No model.)

To all whom it may concern:

Be it known that I, HENRY V. HARTZ, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Snatch-Blocks, of which the following is a specification.

The object of my invention is to simplify the construction of snatch-blocks; and my improvement consists in peculiar features of construction hereinafter described, and pointed out in the claims.

In order that my invention may be fully understood I will proceed to describe it with reference to the accompanying drawings, in which—

Figure I is an edge view of my improved snatch-block. Fig. II is a front view, the link being lowered. Fig. III is a vertical section, the link being raised. Fig. IV is a rear view of a hook-strap. Fig. V is a side view of the same. Fig. VI is a top view thereof.

The shell or frame of the snatch-block is made of metal or wood, with a front cheek-plate, 1, a rear cheek-plate, 2, and a bottom plate, 3. The front cheek-plate is of less height than the rear cheek-plate, so as to leave an opening, 4, for the insertion of the rope 5.

6 is a center-pin secured in holes 7 in the cheek-plates and carrying the pulley or sheave 8. Between the pulley and the front cheek-plate is secured to the latter, by bolts 10, a link-strap, 11, formed with a hole, 12, at its lower end, (through which the center-pin passes,) and with an eye, 13, at its upper end, providing means by which a link, 14, (of any suitable form,) is hinged thereto. The rear cheek-plate is provided with a bracket or yoke, 15, for guiding a hook-strap, 16, in its vertical movement. This hook-strap supports all the parts above described on a swivel or tight suspension-hook, 17. My hook-strap 16 is a bent bar of metal having a vertical part, 18, and a horizontal part, 19. The vertical part 18 slides in the yoke or bracket, and is formed with a slot, 20, at its lower end, through which the center-pin passes and permits this part slight vertical play. The horizontal part 19 is formed

with an eye, 21, to which the suspension-hook is secured in the usual manner, a depression 50 or recess, 22, forming a seat for the outer end of the link, and a hook, 23, at the front end for retaining the link when the block is in use.

When it is desired to insert the bight of the rope or to remove it, the whole frame, including the center-pin, the sheave, and the link-strap, is held firm, while the hook-strap is pushed toward the lower portion, so that the center-pin passes to the top of the slot in the vertical part. Thus the distance between the horizontal part and the hook of the link-strap is shortened, so that the link can be separated and lowered, as shown in Fig. II.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. A snatch-block constructed with a hook-strap having a vertical part formed with a slot in its lower end and a horizontal part formed with a swivel-eye, a hook at the outer end, and a link-depression, substantially as described.

2. A snatch-block having a hook-strap adapted to slide, formed with a slot for the center-pin, and a link, substantially as described.

3. A snatch-block having a hook-strap adapted to slide, a link, and a bracket for guiding and retaining the strap on the rear cheek-plate, substantially as described.

4. A snatch-block comprising a frame having front and rear cheek-plates, and a bottom plate, the hook-strap having center-pin and slot connection with the rear cheek-plate, a link, and the link-strap secured to the front cheek-plate, substantially as described.

5. The combination of the shell or frame having a bracket pulley or sheave having a center-pin, a link, the hook-strap having a slot for the center-pin, and the link-strap, substantially as described.

HENRY V. HARTZ.

Witnesses:

R. M. LEE,
H. L. BROWN.