

C. M. TALMADGE & P. M. VEIBELL.

SNATCH BLOCK.

APPLICATION FILED SEPT. 19, 1906.

900,894.

Patented Oct. 13, 1908.

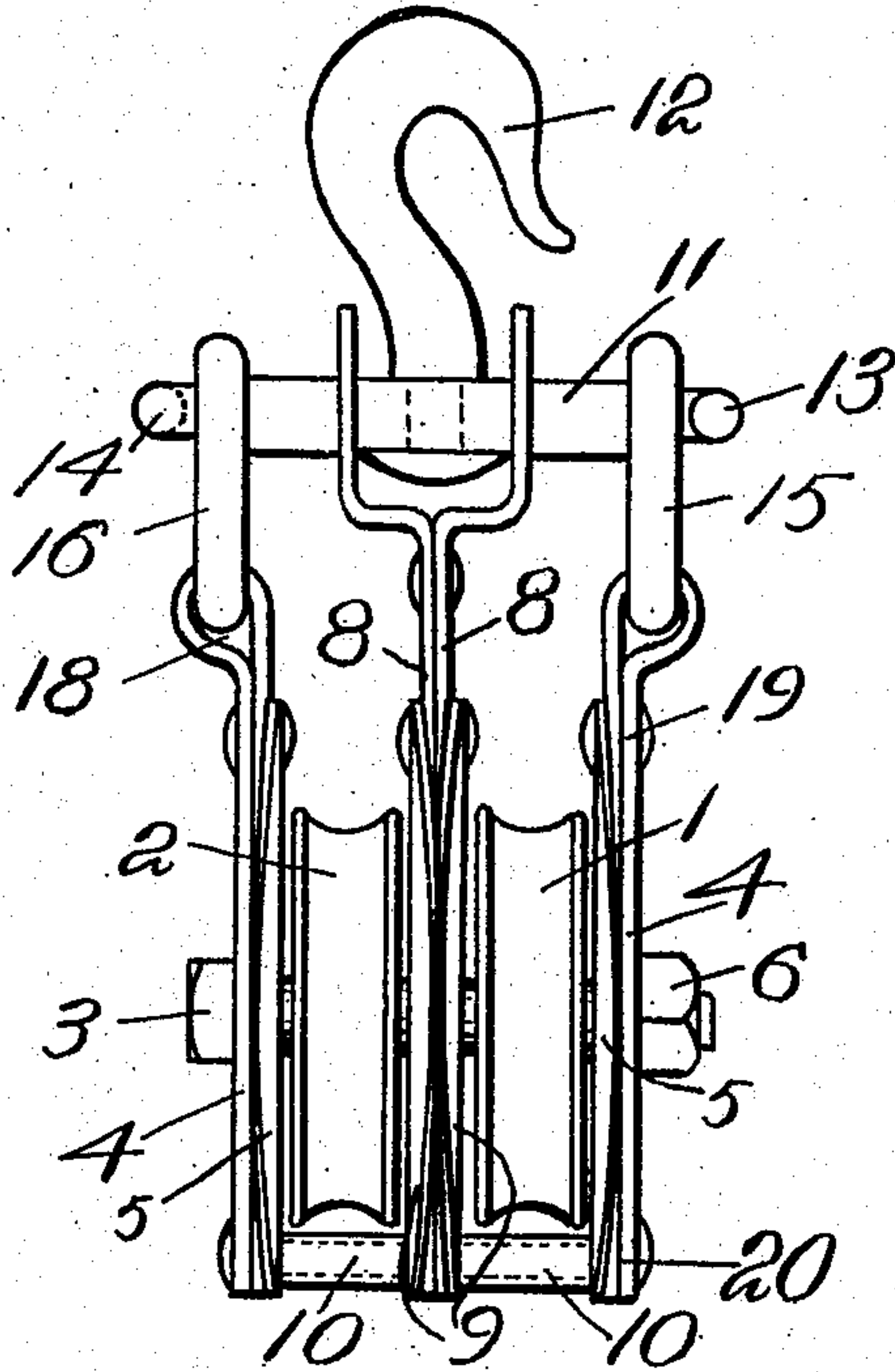


Fig 1

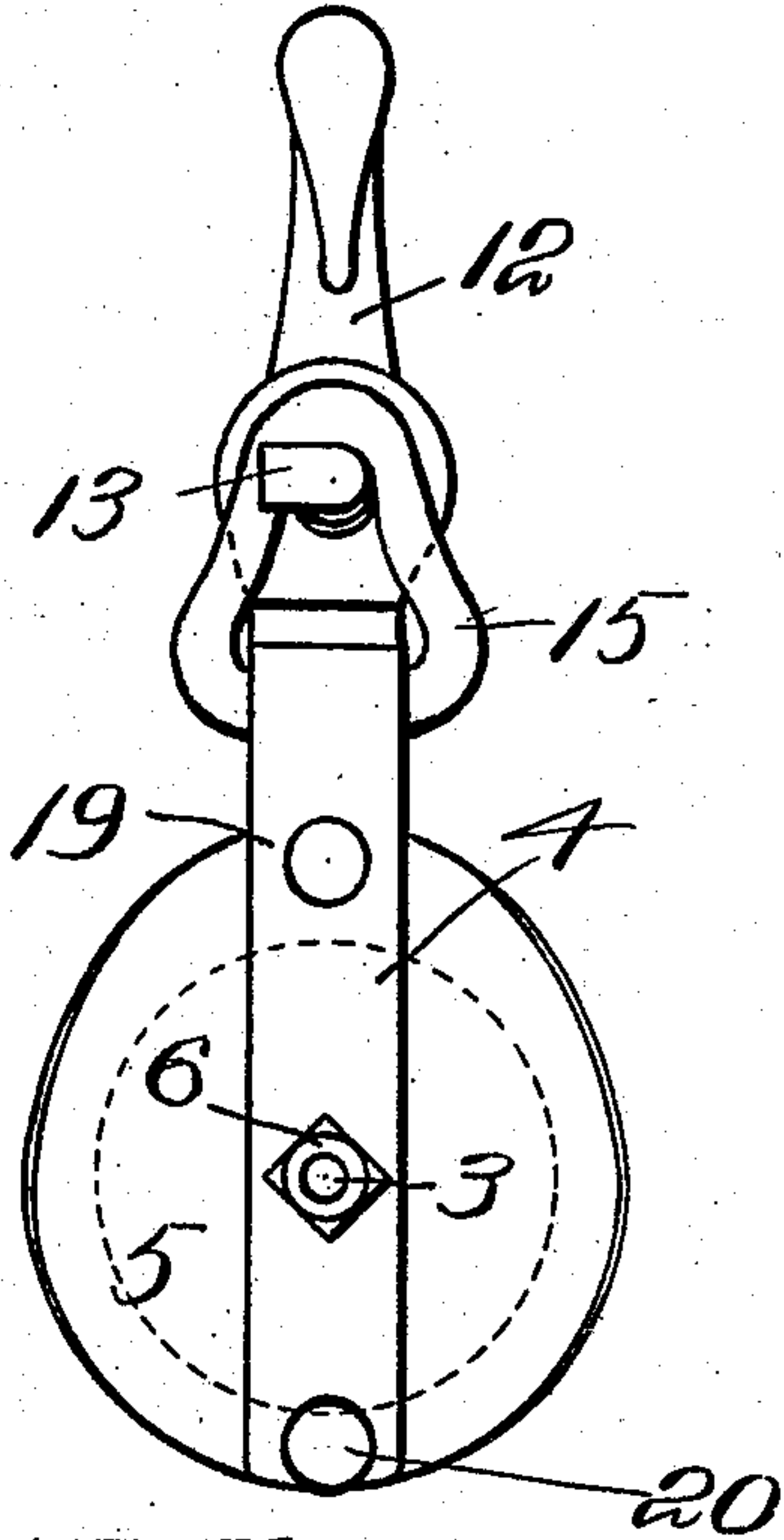


Fig 2

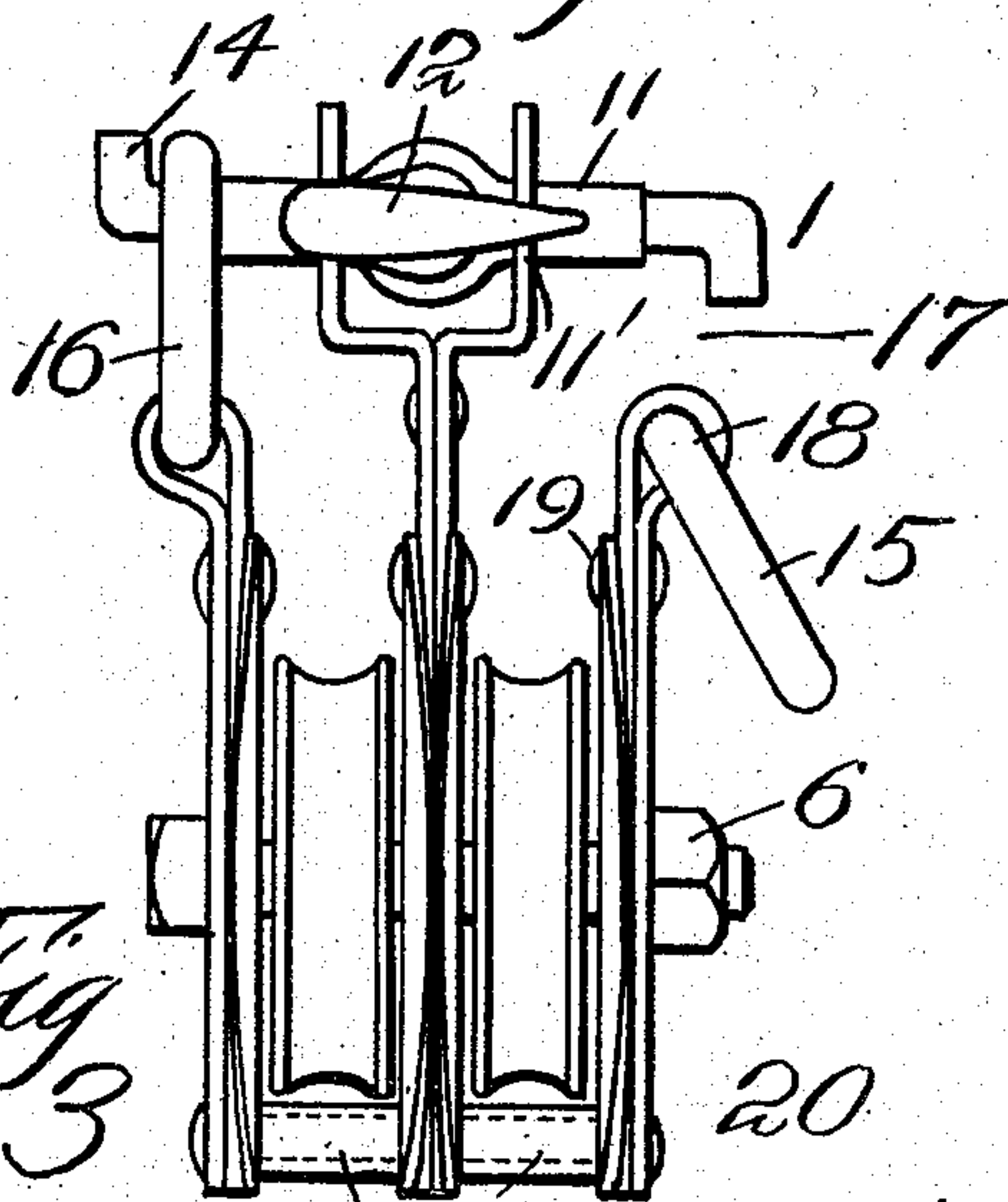


Fig 3

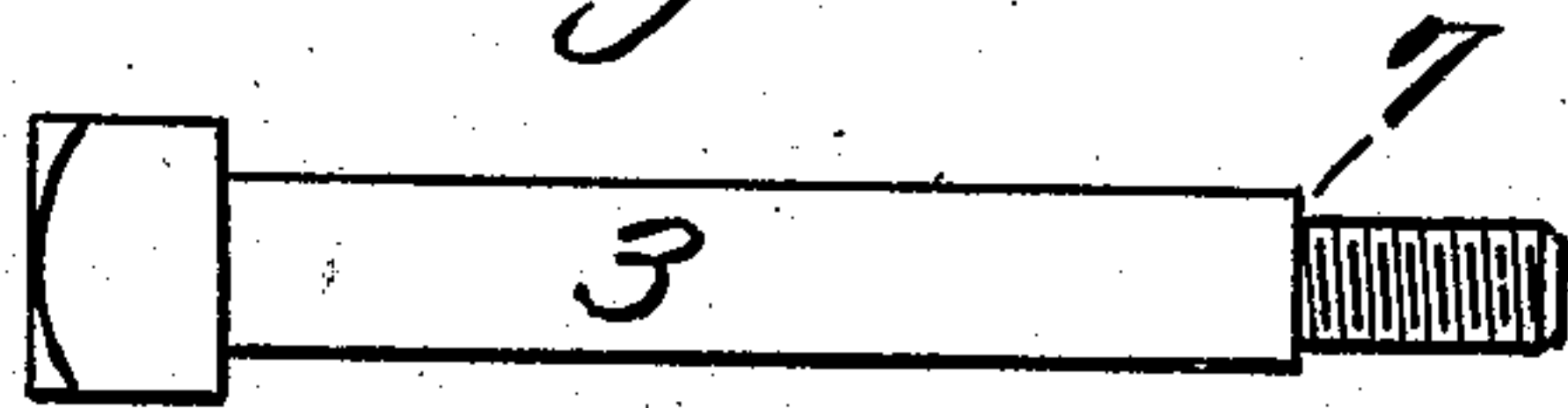


Fig 5

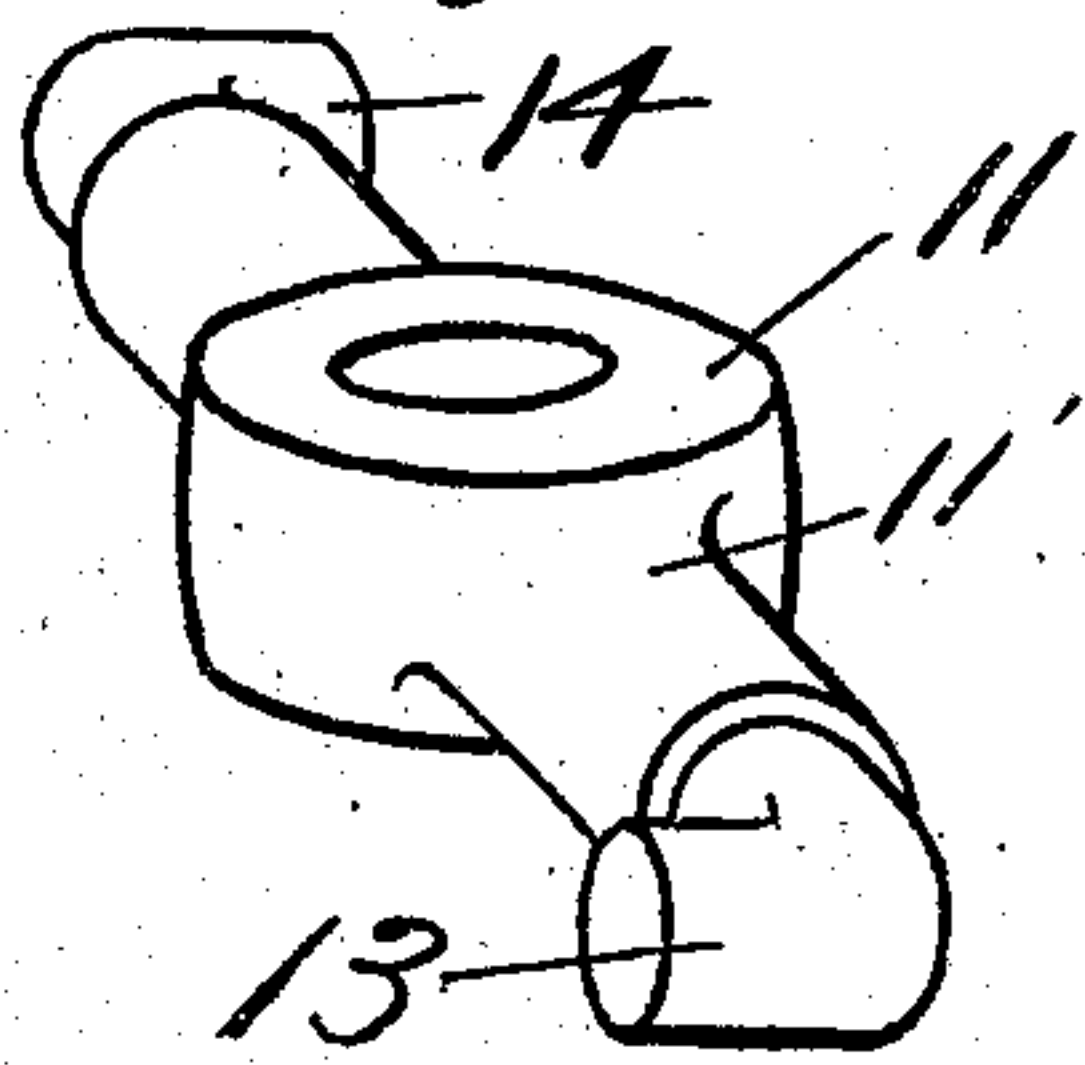


Fig 4

WITNESSES

John M. Redmond  
E. S. Horton

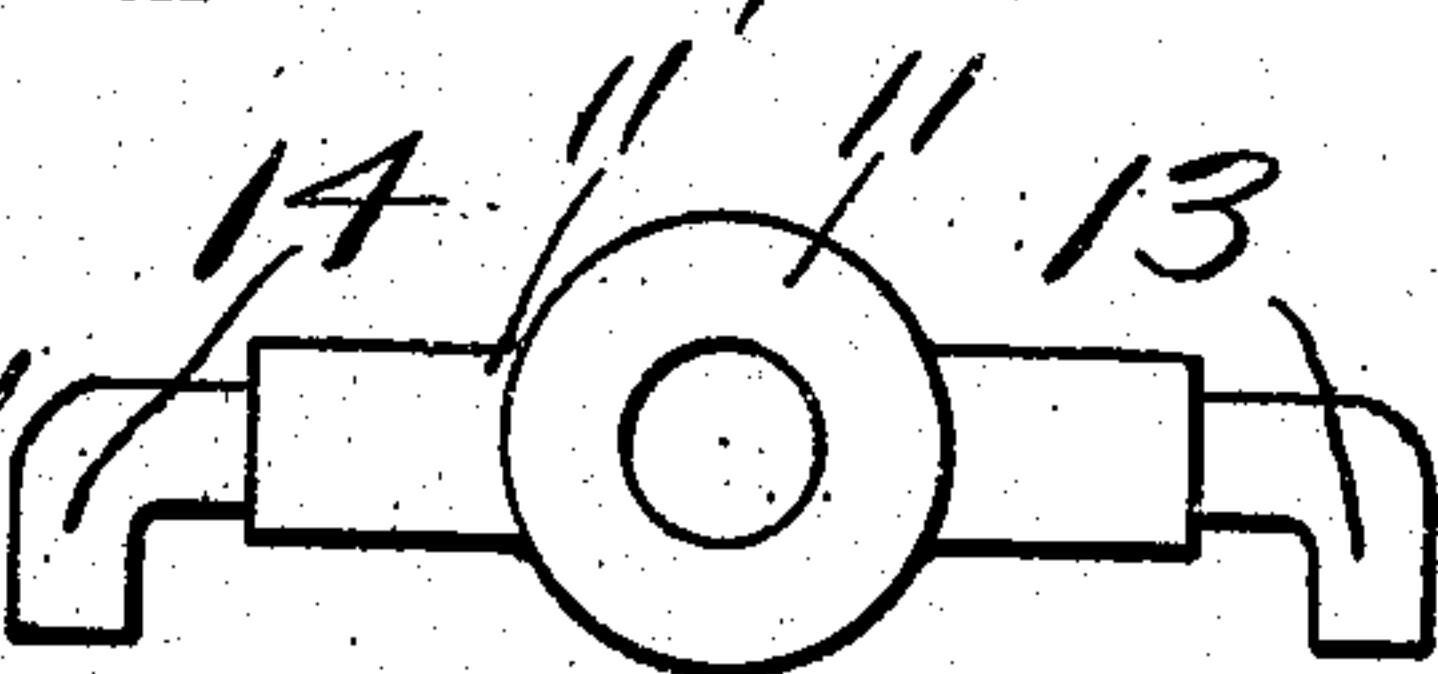


Fig 6

INVENTORS

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# UNITED STATES PATENT OFFICE.

CHARLES MARSHALL TALMADGE AND PETER MARTIN VEIBELL, OF HILLMAN,  
WASHINGTON.

## SNATCH-BLOCK.

No. 900,894.

Specification of Letters Patent.

Patented Oct. 13, 1908.

Application filed September 19, 1906. Serial No. 335,334.

*To all whom it may concern:*

Be it known that we, CHARLES MARSHALL TALMADGE, a citizen of the United States, residing at Hillman, in the county of King, State of Washington, and PETER MARTIN VEIBELL, a subject of the King of Denmark, residing at Hillman, in the county of King and State of Washington, have invented new and useful Improvements in Snatch-Blocks, of which the following is a specification.

Our invention relates to snatch blocks in which the rope may be removed only when the strain is off the snatch block, thus permitting the hook connected thereto, to swing to a position substantially or about 90 degrees from the position in which the said hook is maintained while the block is in use.

The object of our invention is to construct a snatch block that may be expeditiously removed from a line, and is especially applicable to logging and for similar purposes.

Another object is to construct a snatch block of steel having its several parts accessible without a waste of material, thus making our device light and durable.

We accomplish these objects by the construction illustrated in the accompanying drawing in which

Figure 1 is a front elevation of the entire block, showing the retaining hooks in their locked position. Fig. 2 is a side elevation of Fig. 1. Fig. 3 is a front elevation showing one of the retaining hooks thrown to the position permitting the side link to be thrown open, thus enabling the rope to be removed from that side. Fig. 4 is a perspective view of the retaining hook piece. Fig. 5 is a view of the bolt. Fig. 6 is a modification of Fig. 4.

Similar reference numerals refer to similar parts throughout the several views in the accompanying drawing.

We have shown a block consisting of two sheaves, 1 and 2, supported and journaled by a shoulder bolt 3, which is secured to the side straps 4, and cheek plates 5 by means of a nut 6, which is adapted to fit a threaded portion of the end of the said shoulder bolt 3 and against a shoulder 7 adapted to maintain the straps 4 and cheek plates 5 in the desired position. We have also shown a center strap 8 and center cheeks 9, which are supported substantially midway the side cheeks 5 by means of sleeves 10. The said center straps

8 are adapted to support a retaining hook piece 11, which is provided with a hook 12 or any other suitable means for securing the snatch block to a chain or other fastening. The said hook piece 11 is also provided with retaining hooks as 13 and 14 which are adapted to lock the side links 15 and 16, which are secured to the side straps 4, and which may be swung as shown in Fig. 3 when the hook 12 is turned in the desired direction substantially at or about 90 degrees from its normal position (as when a strain is applied thereto).

In Fig. 3 we have shown the retaining hook 13 permitting the side link 15 to swing away from the said hook 13 and to permit a rope to swing through a space 17. The side straps 4 are preferably bent to form a loop 18 and back upon themselves and riveted to the cheek plates 5 at 19 and 20, at 20 the rivet is preferably provided with sleeves as 10, thus affording a means of maintaining the center cheeks 9 and straps 8 in a central position, the said center straps 8 are bent at the end nearest the retaining hook piece 11, to form a bifurcated member adapted to support the said retaining hook piece 11, the said bifurcated member is preferably drilled to fit the rounded portion of the said retaining hook piece 11 as at 11', thus journaling the said retaining hook piece 11 so that when the strain is released from the aforesaid hook 12 the said retaining hook piece 11 may be swung to a position as shown in Fig. 3, for the purpose heretofore described.

We do not wish to be limited to the specific construction illustrated in the accompanying drawings as we may wish to vary such details as are within the scope of our patent.

The hook 12 may be replaced by an eye and is preferably loosely secured to the retaining piece 11 thus affording a swivel connection to our device. We may also desire to use a bolt instead of a rivet at 20 thus making it possible to attach the several parts of our device. We are aware that there are snatch blocks which have a portion of the side or cheeks removed, but wish to construct our device by using such material as is common to the market and to thus facilitate the manufacture of a snatch block which is cheap, light, durable and efficient and adapted especially to logging.

By the construction illustrated in the accompanying drawing and herein set forth it



will be seen that a rope or cable resting upon the sheaves 1 and 2 may be readily removed when the strain is released therefrom.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent in the United States is,—

1. In a snatch block of the nature indicated, a steel frame having for its sides, strap pieces 4 bent to form a loop 18, and provided with cheek plates 5 in combination with center straps 8 bent to form a bifurcated member adapted to journal the retaining hook piece 11, said retaining hook piece 11 being provided with retaining hooks 13 and 14 bent substantially at 90 degrees from the axis of the said retaining hook piece 11, the said retaining hook 13 being bent substantially at 180 degrees from the said retaining hook 14.

2. In a snatch block of the nature indicated, a steel frame having for its sides, strap pieces 4 bent to form a loop 18 and provided with cheek plates 5 in combination with center straps 8 bent to form a bifurcated member adapted to journal the retaining hook piece 11, said retaining hook piece 11 being provided with retaining hooks 13 and 14 bent substantially at 90 degrees from the axis of the said retaining hook piece 11, the said retaining hook 13 being bent substantially at 180 degrees from the said retaining hook 14, sheaves 1 supported on a shoulder bolt 3, substantially as and for the purpose set forth.

3. In a snatch block of the nature indicated, a steel frame having for its sides strap pieces bent to form a loop 18, and provided with cheek plates 5 in combination with center straps 8 bent to form a bifurcated member adapted to journal the retaining hook piece 11, said retaining hook piece 11 being provided with retaining hooks 13 and 14 bent substantially at 90 degrees from the axis of the said retaining hook pieces 11, the said retaining hook 13 being bent substantially at 180 degrees from the said retaining hook 14, sheaves 1 supported on a shoulder bolt 3, means for maintaining the side straps 4 and side cheeks 5 rigidly in a position which will prevent the said side cheeks 5 from impinging the aforesaid sheaves 1 and means for maintaining the center straps 8 and center cheeks 9 in a central position substantially as and for the purpose set forth.

4. In a snatch block of the nature indicated, a bifurcated member adapted to journal a retaining hook piece 11, means for maintaining the said center straps 8 and center cheeks 9 in a central position relative to the side cheeks 5, the said side cheeks 5 and side straps 4, center cheeks 9 and center straps 8 and shoulder bolt 3 being adapted to journal sheaves 1 and 2 substantially as and for the purpose set forth.

5. In a snatch block of the nature indicated, a retaining hook piece adapted to be

journaled in a bifurcated member formed by the center straps 8 and adapted to apply a strain upon the hook 12 to the shoulder bolt 3 and sheaves 1 and 2, means for removing a cable or rope through a space 17 when the strain is removed from the said hook 12, substantially as and for the purpose set forth.

6. In a snatch block of the nature indicated, a retaining hook piece adapted to be journaled in a bifurcated member formed by the center straps 8 and adapted to apply a strain upon the hook 12 to the shoulder bolt 3 and sheaves 1, means for removing a cable or rope through a space 17 when the strain is removed from the said hook 12, means for rotatably mounting said hook 12 in the said retaining hook piece 11 to form a swivel connection to the said snatch block, the said retaining hook piece 11 being adapted to uniformly apply the strain from the hook 12 to sheaves 1 and 2 by means of center straps 8, side straps 4 and side links 15 and 16 to the aforesaid shoulder bolt 3, substantially as and for the purpose set forth.

7. In a snatch block, a retaining hook piece journaled in a bifurcated member formed by bending center strap piece, sheaves supported by said strap piece, means for removing the rope from said sheaves by rotating said hook piece, side straps 5 bent to form a loop to secure links 15 and 16.

8. In a snatch block, a retaining hook piece journaled in a bifurcated member formed by bending center strap piece, sheaves supported by said strap piece, means for removing the rope from said sheaves by rotating said hook piece, said straps 5 bent to form a loop to secure links 15 and 16, means for supporting the said side straps and parts connected thereto rigidly and from impinging the sheaves by means of a shoulder bolt 3 and a rivet and sleeves 10.

9. In a snatch block, retaining hooks journaled in a bifurcated member formed by bending center strap piece, sheaves supported by said strap piece, means for removing the rope from said sheaves by rotating said hook piece, side straps 5 bent to form a loop to secure links 15 and 16, means for locking the said links in the closed position when the snatch block has a strain applied thereto, substantially as and for the purpose set forth.

10. In a snatch block, a bifurcated member disposed between sheaves, a hook piece journaled therein, side straps co-acting with said bifurcated member to support said sheaves, means for removing a rope from said sheaves by changing the alinement of the hooked ends of said hook piece.

11. In a snatch block, a bifurcated member disposed between sheaves, a hook piece journaled therein, side straps co-acting with said bifurcated member to support said sheaves, means for removing the rope from said sheaves by changing the alinement of



the hooked ends of said hook piece, means whereby a rope may be retained on said sheaves by applying stress to said snatch block.

- 5 12. In a snatch block, a bolt, sheaves rotatably mounted on said bolt, a center strap, side straps, a retaining hook piece swingingly supported by the bifurcated end of said center strap for the purpose set forth, links  
10 adapted to engage the hooked ends of said hook piece to strengthen said snatch block and prevent the rope from becoming disengaged from the sheaves thereof, means

whereby said links may be disengaged by oscillating said hook piece out of the position which said hook piece occupies when a strain is applied to said snatch block to facilitate the removal of the rope therefrom. 15

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses. 20

CHARLES MARSHALL TALMADGE.

PETER MARTIN VEIBELL.

Witnesses:

J. F. BOYD,  
BESSIE HUFFMAN.