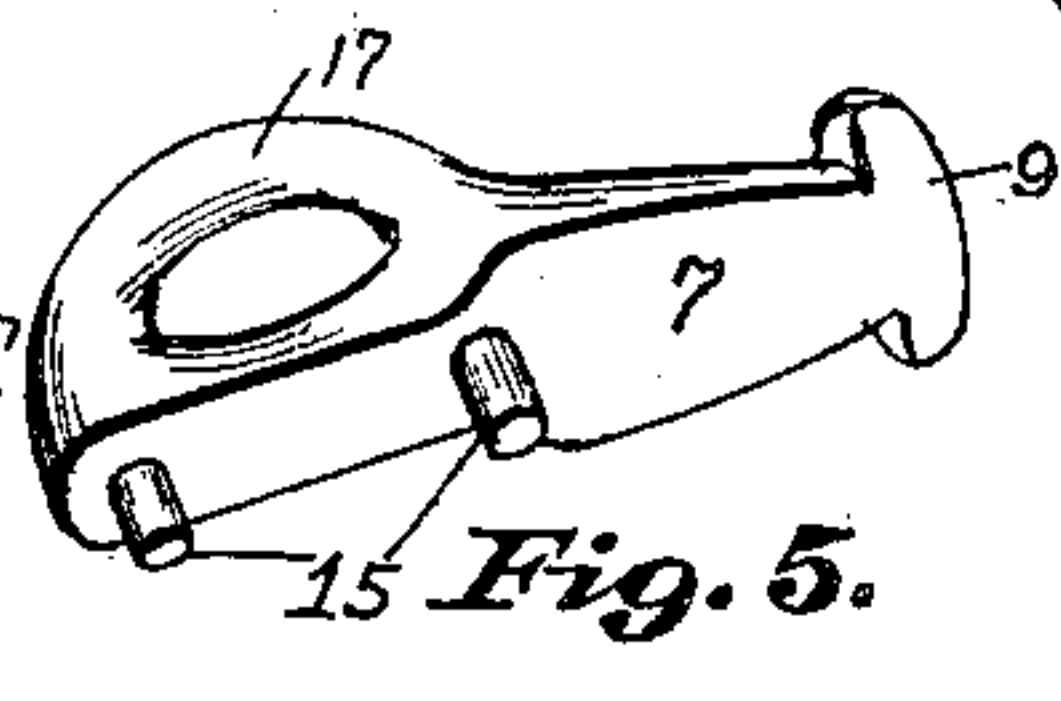
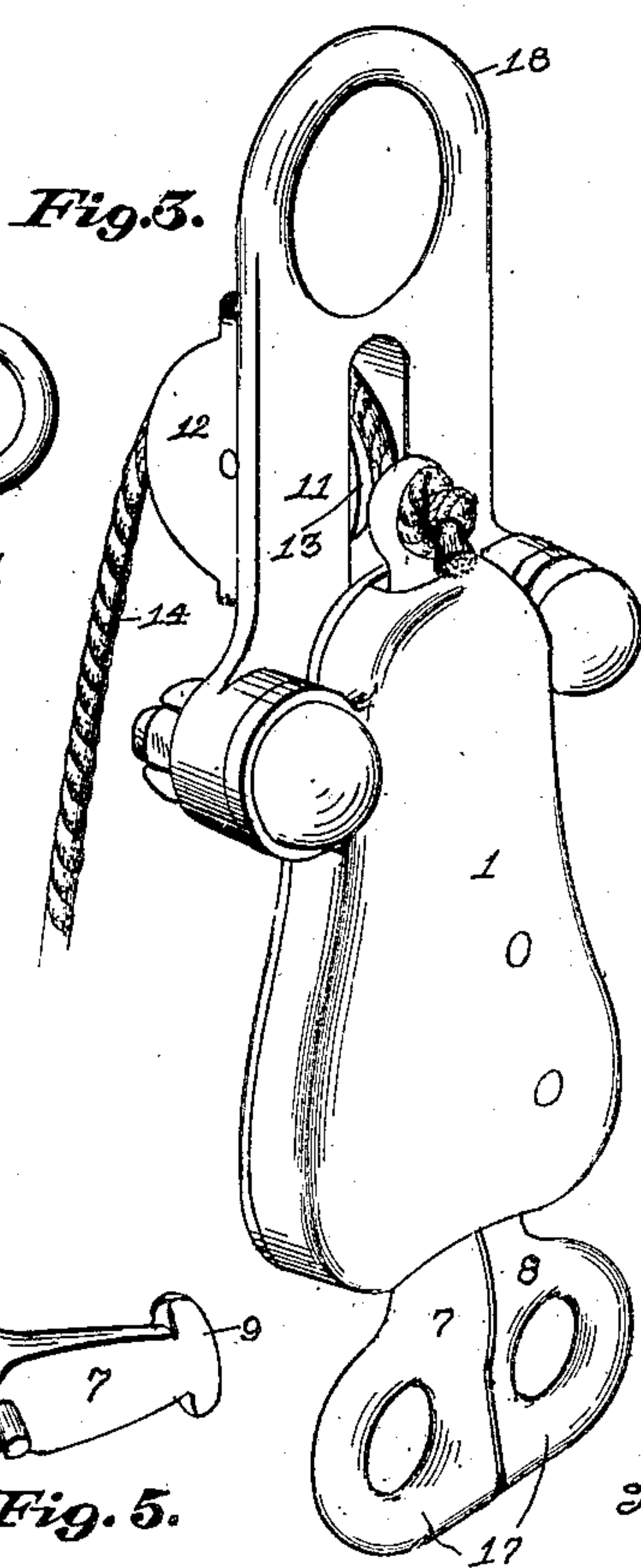
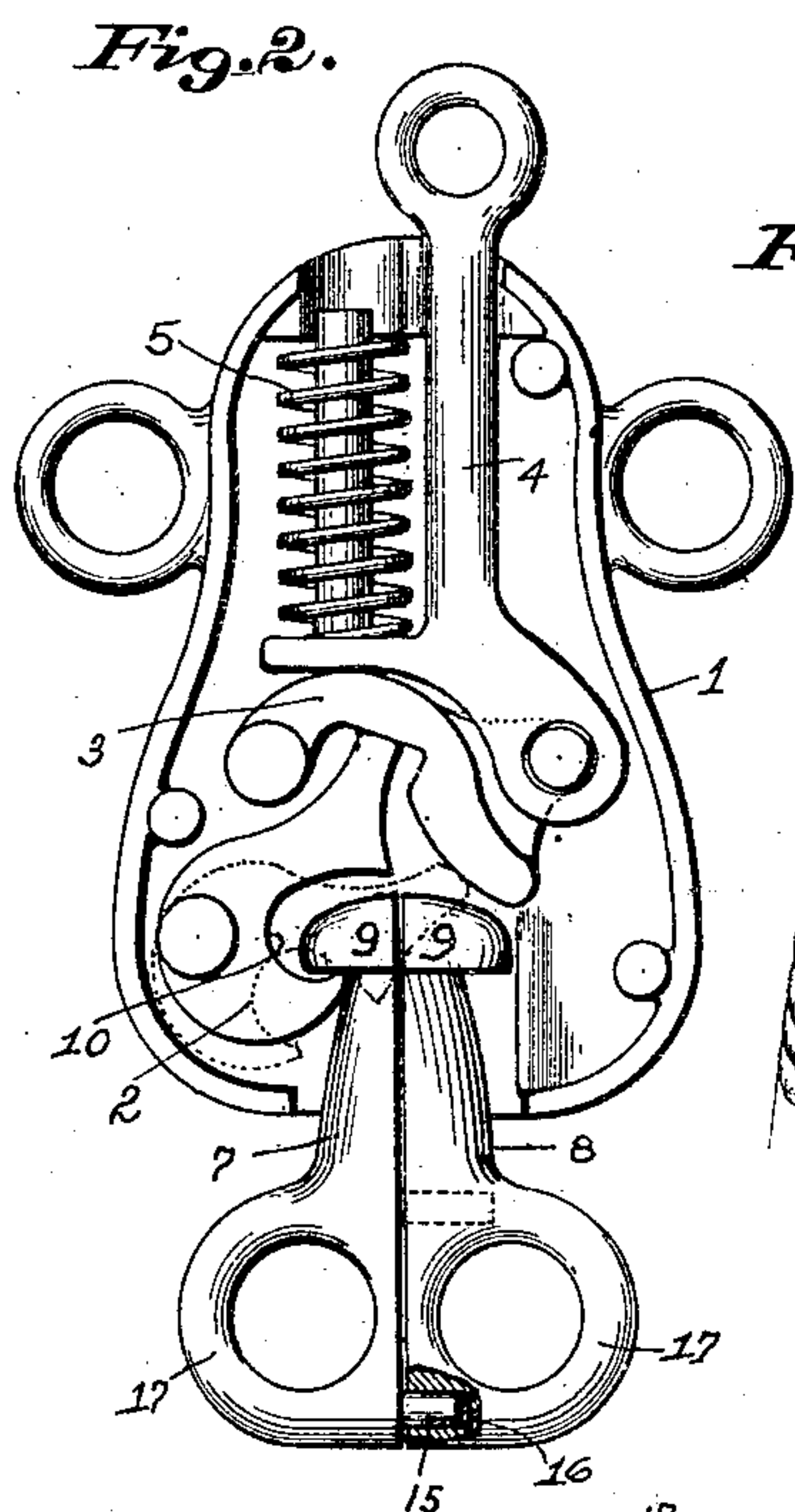
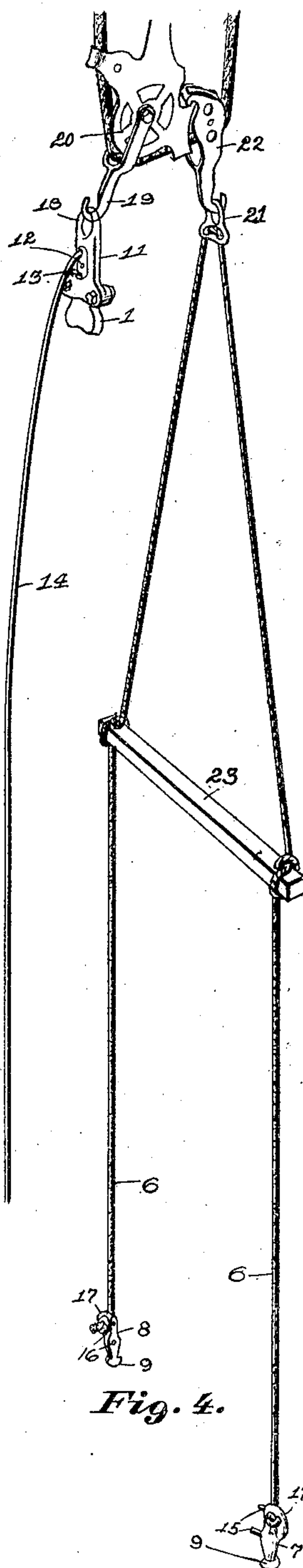
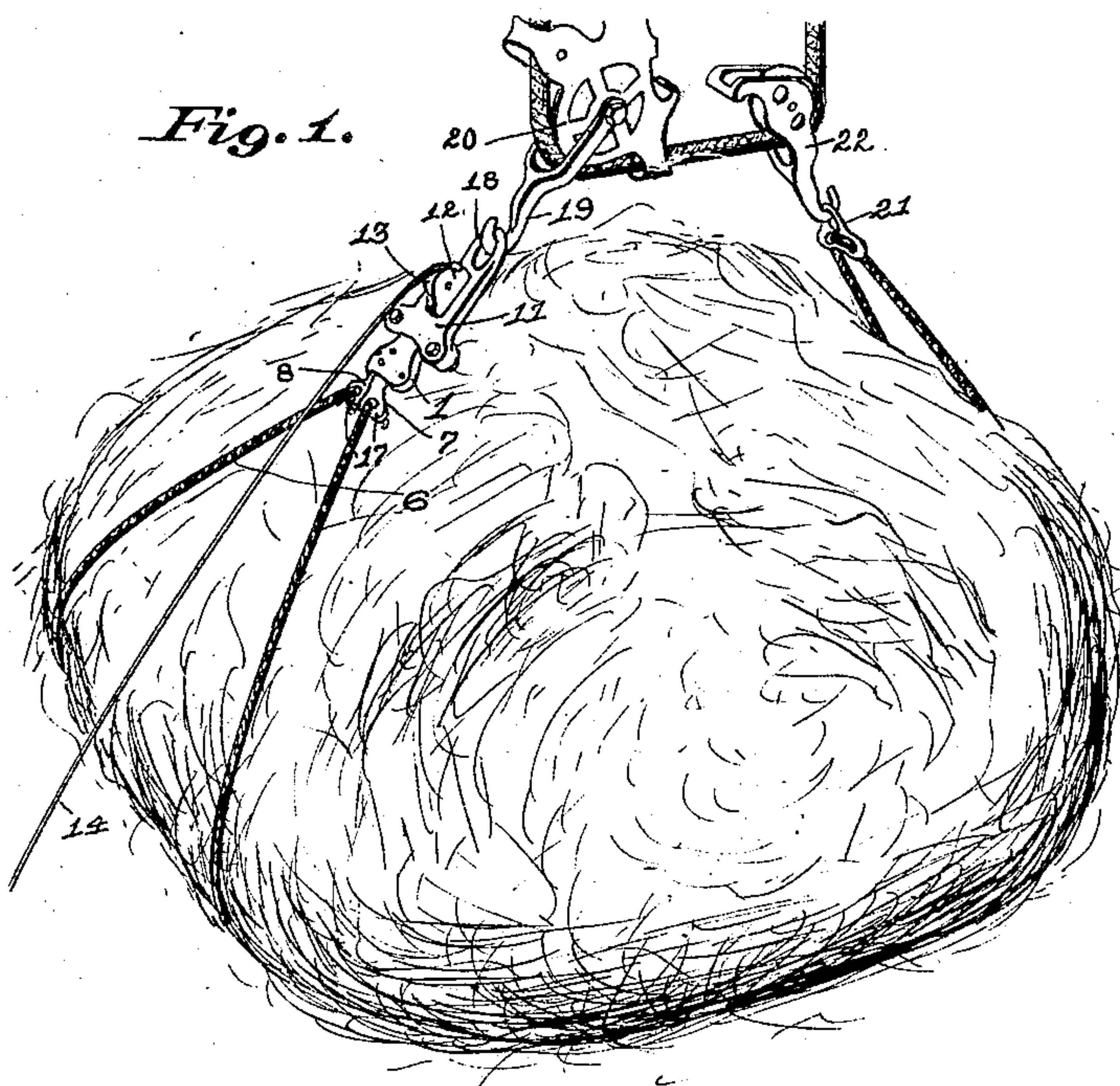


No. 877,688.

PATENTED JAN. 28, 1908.

H. C. WHITE.  
HAY ELEVATING DEVICE.  
APPLICATION FILED NOV. 1, 1907.



Witnesses  
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# UNITED STATES PATENT OFFICE.

HENRY C. WHITE, OF CANTON, OHIO.

## HAY-ELEVATING DEVICE.

No. 877,688.

Specification of Letters Patent.

Patented Jan. 28, 1908.

Application filed November 1, 1907. Serial No. 400,210.

*To all whom it may concern:*

Be it known that I, HENRY C. WHITE, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Hay-Elevating Devices; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a part of this specification, and to the numerals and figures of reference marked thereon, in which—

Figure 1 is an elevation of the device in position for hoisting a load. Fig. 2 is an inside view of the trip head, showing the parts contained therein, properly arranged and the detachable and separable sling rope connected members. Fig. 3 is a perspective view of the pulley block, showing the swing members connected thereto, and illustrating the connecting plate and trip pulley properly connected. Fig. 4 is a view of the sling showing the same tripped and the sling members detached from the trip head. Fig. 5 is a detached view of one of the sling members.

The present invention has relation to hay elevating devices and it consists in the novel arrangement hereinafter described and particularly pointed out in the claims.

Similar numerals of reference indicate corresponding parts in all the figures of the drawing.

In the accompanying drawing, 1 represents the trip head, which may be of the form shown and is provided with the sling member connecting dog 2, the locking dog 3 and the release bar 4, also showing the holding spring 5 in proper relative position. The parts just above described form no particular part of the present invention, except that they are necessarily present to carry out the purpose hereinafter described. In hay elevating devices of this class which employ the use of what is commonly termed a sling it is of importance, that when the sling members or the members engaging the trip head 1 are detached therefrom, that said members become separated so that the released end members of the sling proper which consist of the rope members 6 can become separated as illustrated in Fig. 4, by which arrangement the sling proper is easily removed from the load carried and especially so when the load is dropped upon a previously deposited body of hay or other substance or upon the bottom of a mow or other place of deposit and a portion

of the released ends of the sling members are bound between the load and previously deposited loads in a mow or other place of deposit. In order to accomplish this result I attach to each free end of the rope or sling members 6 the partible sling members 7 and 8, which members are provided with the heads 9, both of said heads adapted for engagement with the dog 2, which heads are engaged in the recess 10 formed in said dog 2; it being understood that when the trip-bar 4 is elevated the dog 2 will assume the position illustrated in dotted lines Fig. 2.

For the purpose of providing a means for elevating the trip bar 4, the trip head is provided with the plate 11, which plate is provided with suitable flanges 12, between which flanges the pulley 13 is located and over the pulley the trip rope 14 is located, said trip rope being connected to the top or upper end of the trip bar 4.

For the purpose of holding the sling members 7 and 8 in proper relative position when they are to be connected to the trip-head, one of said members is provided with the dowel pins 15 and the opposite members provided with the apertures 16, and the dowel pins seated in the apertures as illustrated in Fig. 2.

Another object and purpose of providing the dowel pins and apertures is to cause the down pull or strain to be upon both of the sling members 7 and 8, owing to the fact that only one of the heads 9 is in engagement with the dog 2 by reason of the sling members being longitudinally divided. The sling members 7 and 8 are connected to the sling or rope members 6 in any convenient and well known manner, each of said members being provided with heads or ends 17.

The plate or bar 11 is provided with the eye or ring portion 18 which is for the purpose of properly connecting said plate together with the trip head to the hooked bar 19, which hooked bar is connected to the elevating pulley block 20, said pulley block being of the usual construction.

For the purpose of providing a means for connecting the opposite end of the sling from that to which the divided members 7 and 8 are connected the eye head 21, is provided, which eye head is connected to the compressible pulley block 22. These parts are common in hay elevating devices and are shown only for the purpose of illustrating the use of the present invention.



In Fig. 4 I have shown a single sling spanning bar 23, but it will be understood that a greater number may be employed if desired.

In hay slings of this class and especially where the sling is not partible between its ends difficulty is experienced in withdrawing the sling-rope members from under the dropped load and especially so when the load is dropped upon previously deposited loads but by providing the partible sling members there is nothing to prevent the rope members from being easily withdrawn but when the rope members are connected together at their ends or where the ends are provided with devices liable to become entangled with the hay, great difficulty is experienced in withdrawing the rope members of the sling. My improvement is designed to overcome this difficulty and does overcome it as there is nothing to prevent the easy withdrawal of the rope members of the sling either one at a time or both at the same time.

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

1. In a sling of the class described, rope members each provided with partible sling members, dogs adapted to engage said parti-

ble sling members and the partible sling members provided with heads, substantially as and for the purpose specified.

2. In a sling of the character described, a trip-head provided with an elevating head connecting plate, a pulley carried by said plate, a sling provided with partible head connecting members, said members adapted to be connected to the trip block, substantially as and for the purpose specified.

3. In a sling of the character described, a sling, partible members connected to said sling, one of said members provided with dowel pins and the other provided with apertures, said dowel pins adapted for engagement with the apertures, said sling members provided with heads, a trip-head provided with a dog adapted to engage the heads of the partible sling members, and means carried by the trip-head to release the partible sling members, substantially as and for the purpose specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

HENRY C. WHITE.

Witnesses:

J. A. JEFFERS,  
F. W. BOND.