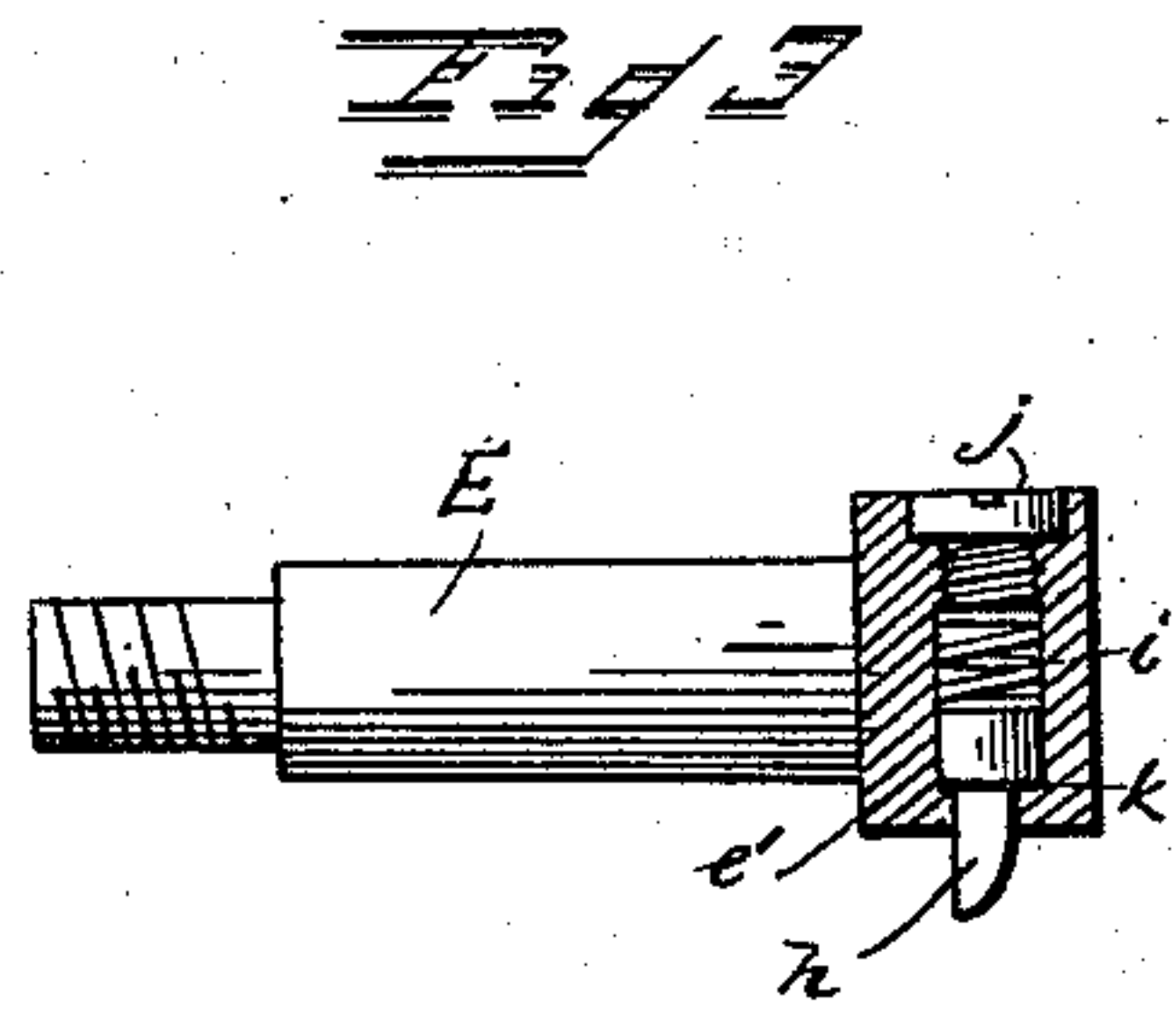
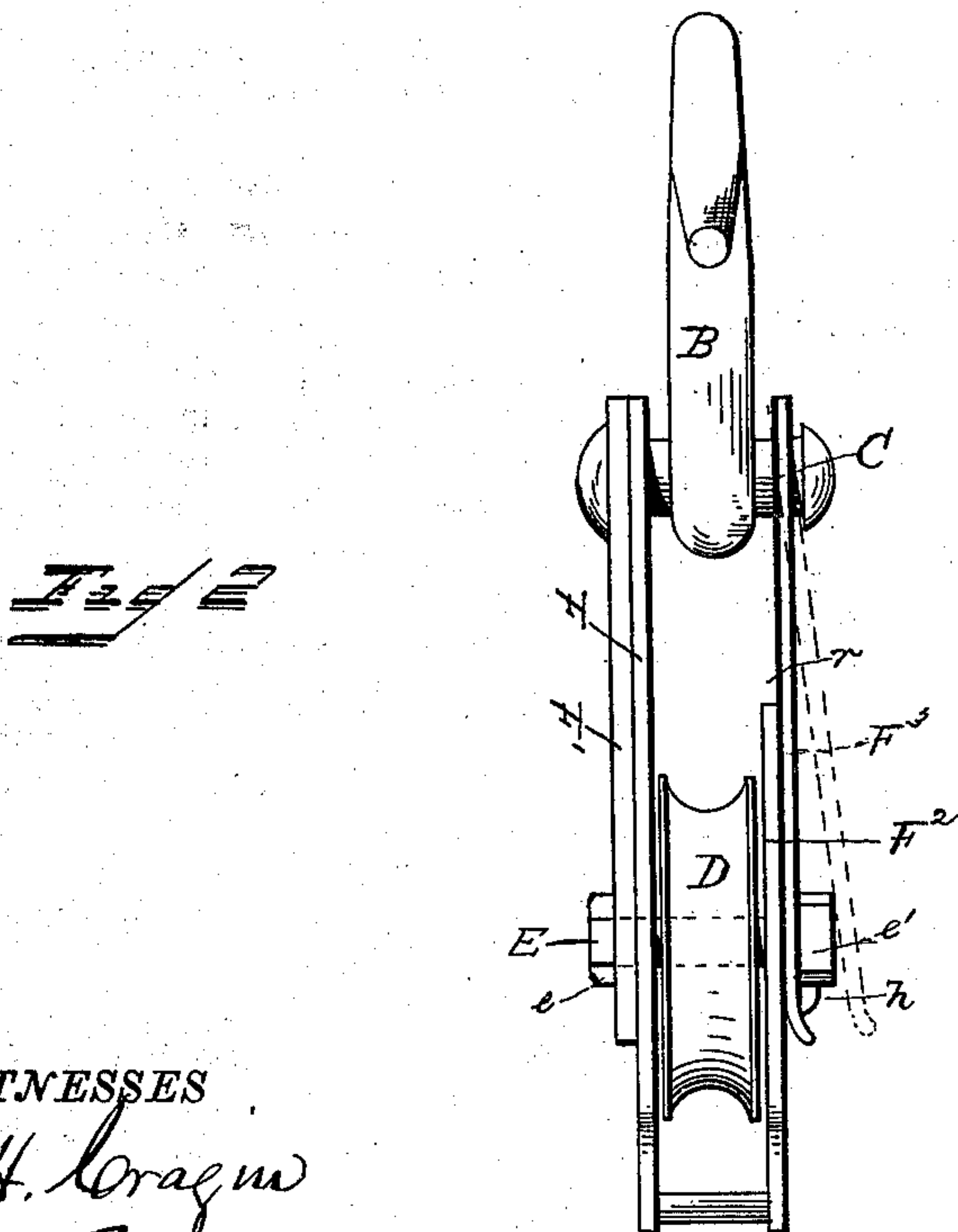
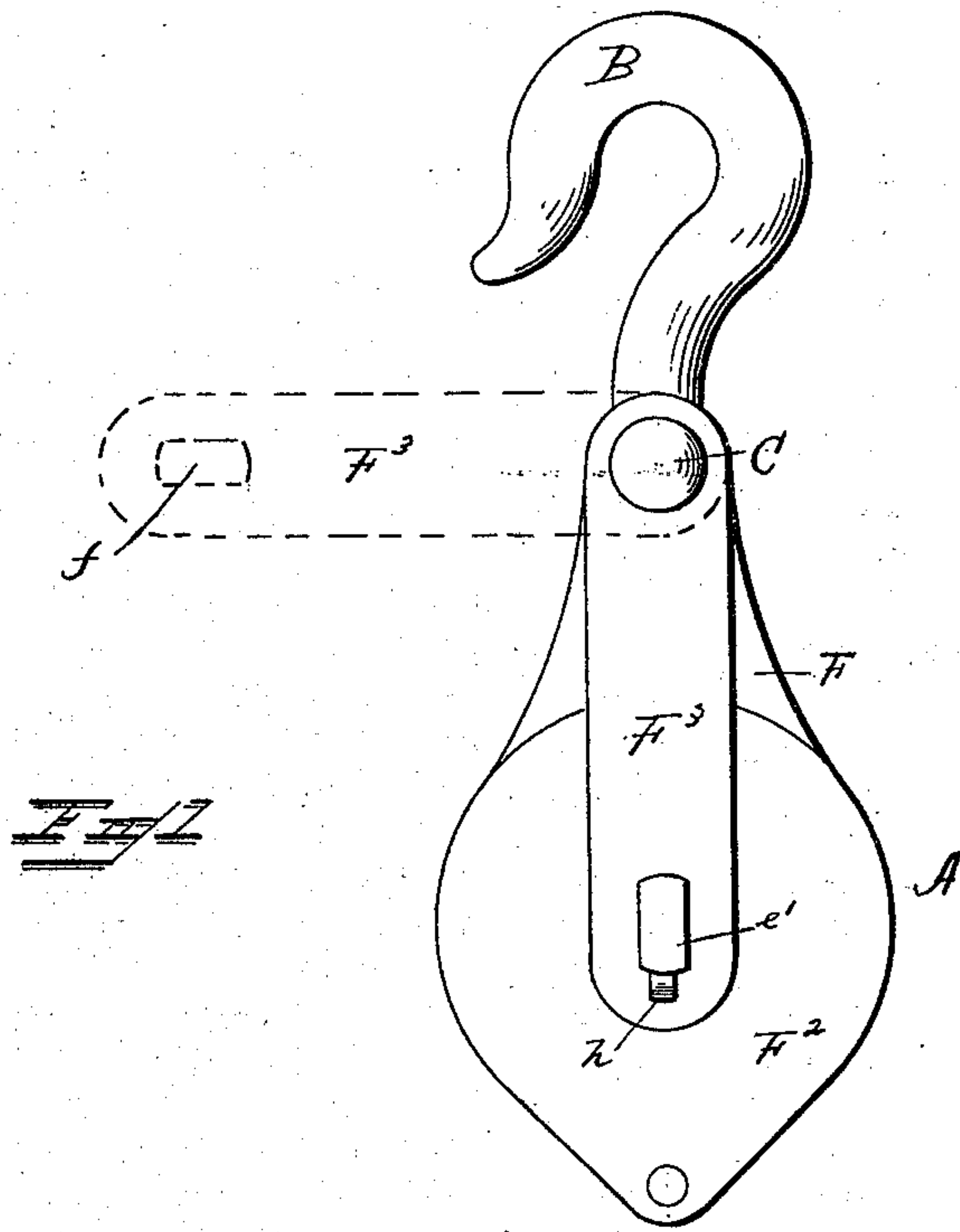


(No Model.)

A. UREN.  
SNATCH BLOCK.

No. 402,208.

Patented Apr. 30, 1889.



WITNESSES

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# UNITED STATES PATENT OFFICE.

ANDREW UREN, OF SEATTLE, WASHINGTON TERRITORY.

## SNATCH-BLOCK.

SPECIFICATION forming part of Letters Patent No. 402,208, dated April 30, 1889.

Application filed August 14, 1888. Serial No. 282,745. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW UREN, of Seattle, in the county of King and Territory of Washington, have invented certain new and  
5 useful Improvements in Snatch-Blocks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the  
10 same.

My invention relates to that class of snatch-blocks which have one side partly open for the ready insertion or removal of the rope.

My invention consists in details of construction described below, and pointed out in the  
15 claims.

In the drawings, Figure 1 is a side view. Fig. 2 is an edge view. Fig. 3 is a detail of the sheave-bolt, partly in section to show the  
20 spring-latch.

Like letters refer to like parts.

A is the snatch-block generally, of which B is the hook, C the cross-head, D the sheave, and E the sheave-bolt. Said bolt has at one  
25 end the usual fastening-nut, *e*, and at the other an integral head, *e'*, which latter may be of any desirable shape. Within said head *e'* is a latch, *h*, operated by spring *i*, which is held in place by a short screw, *j*. The latch is  
30 round at the inner end and is shouldered at *k*, which prevents the latch from leaving entirely the head *e'* under any circumstances. (See Fig. 3.)

F represents the closed side or cheek of the  
35 block, and F' is a rigid strap outside of it. The other cheek side, F<sup>2</sup>, does not extend to the cross-head, but leaves an opening, *r*, which, when uncovered, allows the rope to be quickly inserted. In order that the opening *r* may  
40 be uncovered to insert the rope and securely and quickly closed without having to slacken the rope to bring the block toward the hook, a swinging strap, F<sup>3</sup>, is provided. The upper  
45 end of it is provided with an opening, *f*, which should be of such shape as to fit snugly over

the head *e'* of the sheave-bolt. The other end is attached to the hook-bolt or cross-head C, the rivet of which should be so formed as to give sufficient room for said strap to be lifted off from head *e'* and swung away. (See Figs. 50 1 and 2.) It will now be seen that when the strap is pressed over head *e'* the latch will be pushed back, allowing the strap to close down snugly on the block, when the latch will be instantly forced out again by the spring, lock- 55 ing the strap securely and automatically in position. To open the block, the latch is pushed back by the thumb and the strap lifted by the index-finger of the same hand, after which the strap will fall or can be swung 60 away, as shown in Fig. 1, and leave opening *r* uncovered.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is— 65

1. In a snatch-block having one side partly open, the combination, with the sheave-bolt having a head, *e'*, and the cross-head having one of its rivet ends so extended beyond said open side as to give room for the strap to have 70 lateral and swinging movement, of the said strap pivoted to the cross-head and provided with an opening in its lower end for fitting over said bolt-head, as set forth.

2. In a snatch-block provided with an open- 75 ing at one side for the insertion of the rope, substantially as shown, the combination, with the said open side and the sheave-bolt provided with a head, of a swinging strap having an opening to fit over said head, the lat- 80 ter being provided with an automatic latch for quickly releasing or locking down said strap, as set forth.

In testimony whereof I have signed this specification in the presence of two subscrib- 85 ing witnesses.

ANDREW UREN.

Witnesses:

GEO. KINNEN,  
JOHN R. KINNEN.