No. 7,941. PATENTED FEB. 18, 1851.

P. RHODES, Jr.

SNATCH BLOCK.

Fig. 1.

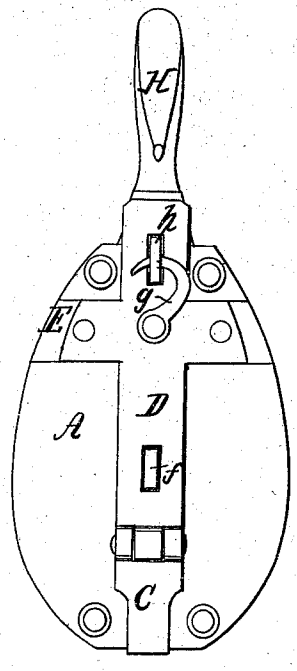


Fig. 2.

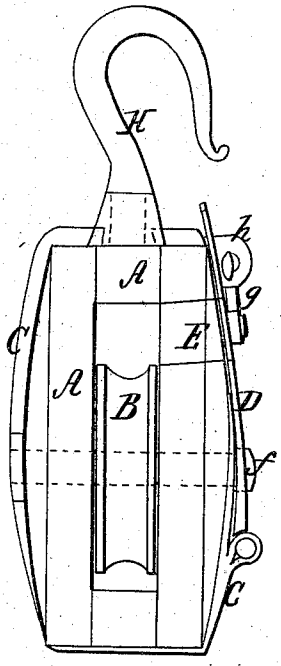
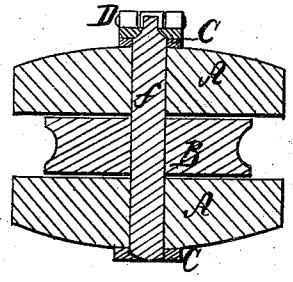


Fig 3



UNITED STATES PATENT OFFICE.

PHILIP RHODES, JR., OF PITTSBURGH, PENNSYLVANIA.

SNATCH-BLOCK.

Specification of Letters Patent No. 7,941, dated February 18, 1851.

To all whom it may concern:

Be it known that I, PHILIP RHODES, JR., of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Ships' Snatch-Blocks; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, Figure 1 being a side view, and Fig. 2 an edge view, of one of my improved snatch-blocks, and Fig. 3 a transverse section through the same.

Similar letters indicate like parts in all the figures.

The nature of my invention consists in filling up the open space in the side of the snatch block by a gate E, which serves to keep the rope within the block upon the pulley B, and thereby enables the block to be made from one and half to three inches shorter than it has ever previously been made.

A, is the block, and C, is a metallic strap that incloses the same with the exception of the opening in its side. The said gate E, is made fast to the cross-shaped strap D, which is jointed to the inclosing strap C, as shown in Figs. 1 and 2.

The axle *f*, of the pulley (B) is received into holes in the block inclosing strap C, on opposite sides of the block, and is held in its place by means of its broad flat head being received into a slit in the strap D, when the gate E, is closed as shown in Fig. 2. The hook H, is made fast to the inclosing strap C, in the usual manner.

The gate E, is confined when closed, by means of the hook *g*, on the strap D, which takes into a staple *h*, that projects from the strap C, through an opening in the strap D, as shown in Fig. 1.

What I claim as my invention and desire to secure by Letters Patent, is—

1. The closing up of the opening in the side of a ship's snatch block by means of a gate (E) arranged and operating substantially as herein set forth; by which I am enabled to make the block shorter and more compact than it has heretofore been made.

2. I also claim the securing the pulley axle *f*, in its place without, the aid of screw and nut or rivet heads, and in such a manner that it can be readily removed, by means of the combination of the said pulley axle with the inclosing strap C, and the gate strap D, substantially in the manner herein set forth.

The above specification of my improvement in ship's blocks signed this 21st day of December, 1850.

PHILIP RHODES, JR.

Witnesses:

SYLVESTER MURPHY,

N. BUCKMASTER.