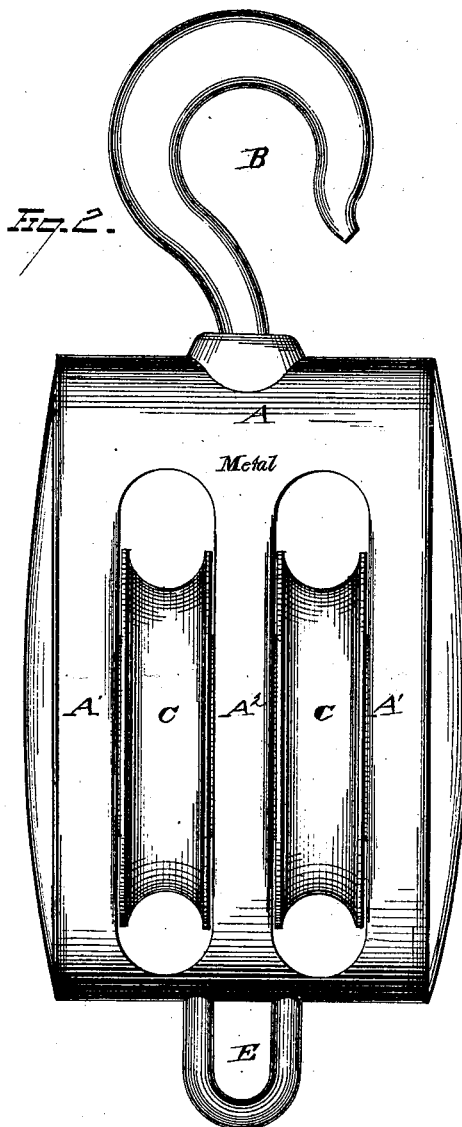
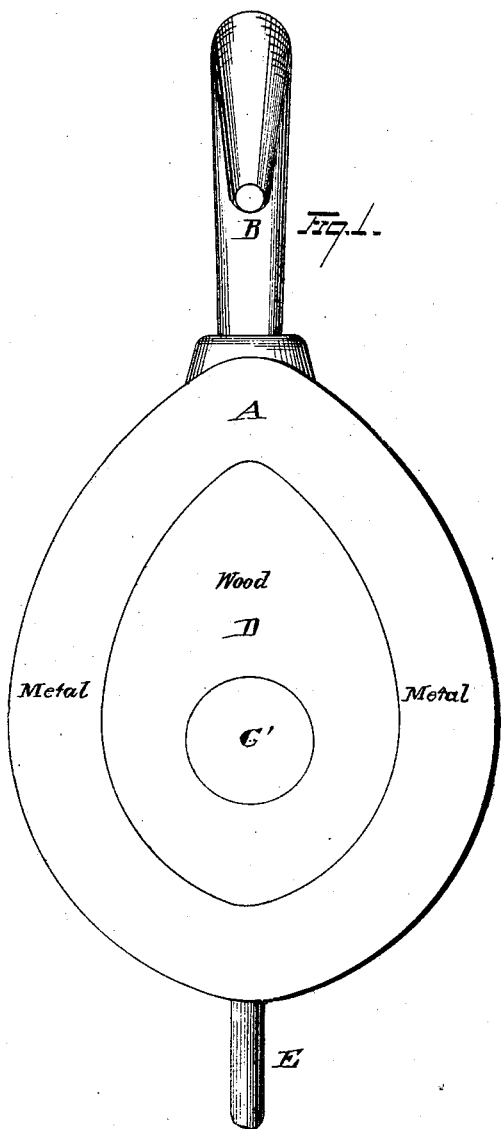


J. L. POPE.
Tackle-Block.

No. 207,548.

Patented Aug. 27, 1878.



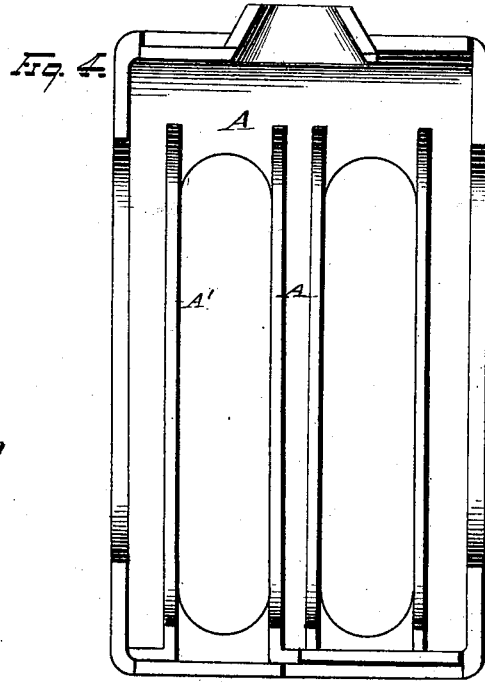
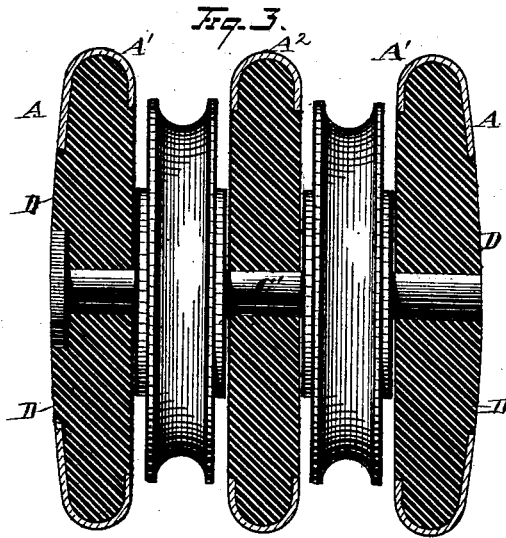
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UNITED STATES PATENT OFFICE.

JOHN L. POPE, OF CLEVELAND, OHIO.

IMPROVEMENT IN TACKLE-BLOCKS.

Specification forming part of Letters Patent No. 207,548, dated August 27, 1878; application filed April 12, 1878.

To all whom it may concern:

Be it known that I, JOHN L. POPE, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Tackle-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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to certain improvements in tackle-blocks; and consists in providing a metallic shell which is adapted to embrace and protect from injury the exposed portions respectively of the periphery and end body of the cheeks.

In the drawing, Figure 1 shows a side elevation of my device; Fig. 2, a front elevation; Fig. 3, a cross-section; Fig. 4, an inside view of one side of the metallic shell.

A is the shell, of which A¹ are its cheeks and A² its bridge; B its hook, joined to the shell A in any suitable manner, preferably with a ball-and-socket-joint attachment.

C are the sheaves, revolving upon suitable shaft C'.

D represents wood, vulcanized fiber, or the like, and is shown in the drawings as made to fill A and to afford a bearing to the shaft C'. The provision of this filling D enables me to construct the shell A of light thin metal, preferably of malleable iron, although any suitable metal may be used.

Without the filling D it would be impracticable to construct a pulley-block of metal as light as I am able to do without a certainty of its bending and breaking. However, by reason of the filling D, I insure great strength and lightness, and am able to provide a broad and smooth surface to the entire exposed portion of the block without the accompanying weight,

which has always heretofore been necessary to secure these desirable characteristics.

In constructing my block, I prefer to galvanize the metal inside and out, or in any other suitable manner protect it against oxidation. I also prefer, if wood be employed for the filling D, that it be either pine or any wood antiseptically treated, so as to be impervious to moisture, and to resist decay or contraction on account of dryness or moisture.

E is the becket-staple for the reception of the ordinary becket-thimble.

I am aware that heretofore metallic bands have been shrunken upon the peripheral portions of the wooden cheeks of a tackle-block; but such construction does not protect the end portions of the cheeks, as does the shell structure, which embraces the exposed portions respectively of the periphery and end body of the cheeks.

What I claim is—

1. A tackle-block formed with an external metallic shell and an internal filling of wood, vulcanized fiber, or similar light substance, said shell being adapted to protect the exposed portions both of the peripheral face and end body of the respective cheeks, substantially as set forth.

2. A tackle-block having an external shell of metal and an internal filling of wood, vulcanized fiber, or similar light substance, said shell formed to embrace the exposed portion of the end body of each cheek, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN L. POPE.

Witnesses:

F. TOUMAY,
W. E. DONNELLY.