

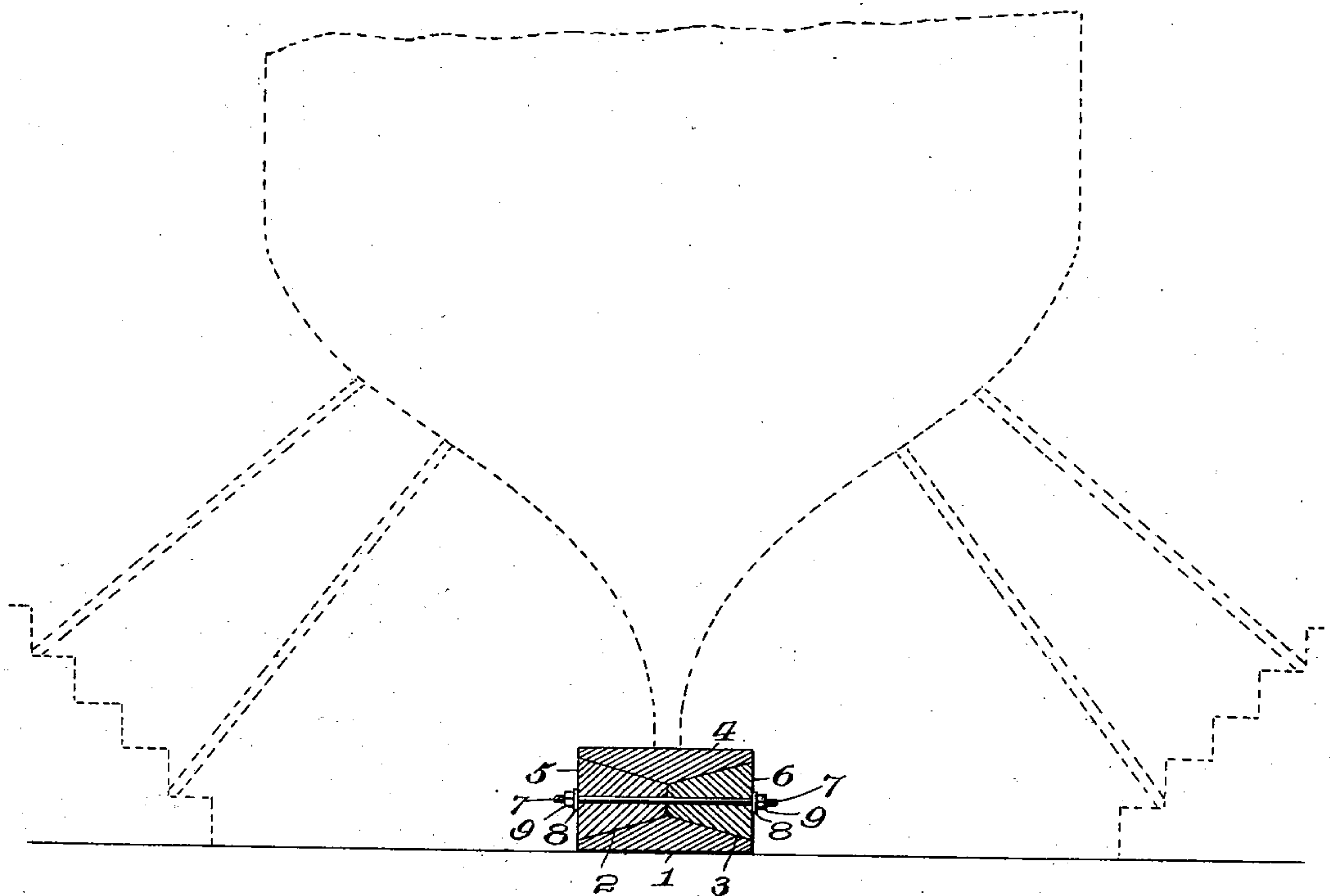
No. 747,349.

PATENTED DEC. 22, 1903.

G. ANDERSON.  
KEEL BLOCK.

APPLICATION FILED AUG. 24, 1903.

NO MODEL.



Witnesses

*J. M. Fowler Jr.*  
*Arthur L. Bryant*

Inventor

*Gustavus Anderson*

By

*Fiske, Freeman & Watson,*  
Attorneys

# UNITED STATES PATENT OFFICE.

GUSTAVUS ANDERSON, OF CAMDEN, NEW JERSEY.

## KEEL-BLOCK.

SPECIFICATION forming part of Letters Patent No. 747,349, dated December 22, 1903.

Application filed August 24, 1903. Serial No. 170,581. (No model.)

*To all whom it may concern:*

Be it known that I, GUSTAVUS ANDERSON, a citizen of the United States, residing at Camden, in the county of Camden and State of New Jersey, have invented certain new and useful Improvements in Keel-Blocks, of which the following is a specification.

This invention relates to improvements in keel-blocks such as are employed in the building or repairing of vessels.

The object of the invention is to provide such a device which can be more easily and readily removed from beneath a vessel than can the devices commonly in use.

A keel-block constructed in accordance with the present invention is shown in the accompanying drawings.

Referring to the drawings, it will be seen that the block consists of a ground or base section 1, which gradually increases in height from both sides toward the middle, thus providing two oppositely-inclined surfaces 2 3. Above said base-section is arranged a rider-section 4, having its lower surface similarly formed, but arranged opposite to the upper face of the ground-section, and two wedge-shaped spacing-pieces 5 6 are arranged between said ground and rider sections. The inner ends of the wedge-shaped spacing-pieces 5 6 preferably lie in planes extending at right angles to the plane of the bottom of the base-section, and when said wedge-shaped pieces are in their innermost positions the inner ends thereof abut and are in the vertical plane of the highest or deepest portions of the ground and rider sections 1 4. The parts are maintained in this position when the block is in use by means of a tie-rod 7 extending through the wedge-pieces 5 6 and provided at its ends with any suitable means, such as bars or plates 8 and nuts 9, for preventing the separation of said wedge-pieces.

It will be seen that this construction provides a practically solid block, although the parts thereof can be readily separated when it is to be removed from operative position. To effect such separation, the tie-rod 7 and its fastening devices are withdrawn from both of the intermediate pieces 5 6, and the latter are then readily separated and forced outwardly by inserting suitable driving-wedges

between their meeting ends. As said intermediate pieces 5 6 are thus separated, the rider-section 4 will settle or move downward out of contact with the keel previously resting thereon. By making the base and rider sections of the form shown and described it will be seen that outward movement of the intermediate pieces 5 6 is facilitated and rendered much easier than would be the case if the meeting faces of the base-section and intermediate pieces, for instance, were arranged in a horizontal plane.

Keel-blocks constructed in accordance with this invention can be repeatedly used, the assembling or separation thereof not causing any serious damage to any of the parts.

Having thus described the invention, what is claimed is—

1. The herein-described keel-block, consisting of base and rider sections having two oppositely-tapering ways formed between their adjacent faces, wedge-shaped pieces arranged in said ways, and means connecting said intermediate pieces.

2. The herein-described keel-block, consisting of a ground or base section which gradually increases in height from its sides to its median plane, a similarly-formed, reversely-arranged, rider-section, two wedge-shaped pieces arranged between said base and rider sections, and means detachably connecting said intermediate pieces.

3. The herein-described keel-block, consisting of a ground or base section, the upper surface of which is inclined downwardly in opposite directions from a central transverse plane, a rider-section of similar form reversely arranged above the base-section, two wedge-shaped pieces removably arranged between said base and rider sections, a connecting-rod extending through said wedge-shaped pieces, and means on said rod for engaging with and preventing separation of said pieces.

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

GUSTAVUS ANDERSON.

Witnesses:

J. J. MCCARTHY,  
ARTHUR L. BRYANT.