

No. 719,124.

PATENTED JAN. 27, 1903.

W. H. MARSHALL.
SHEET LEADER BLOCK.
APPLICATION FILED OCT. 30, 1902.

NO MODEL.

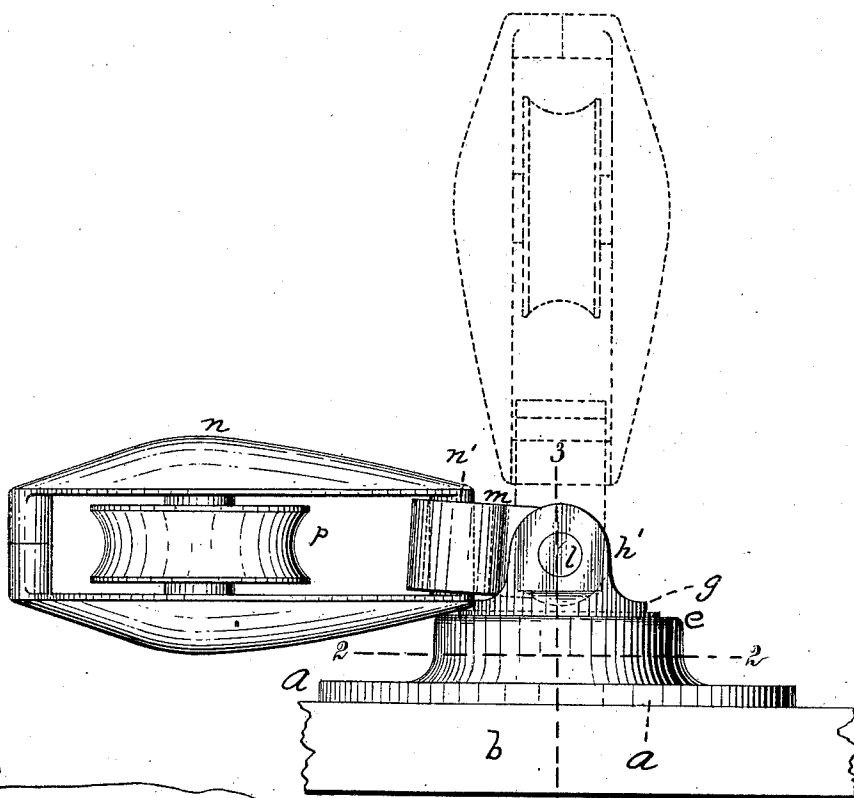


Fig. 1.

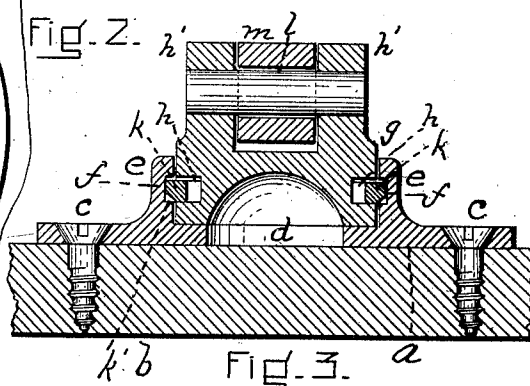
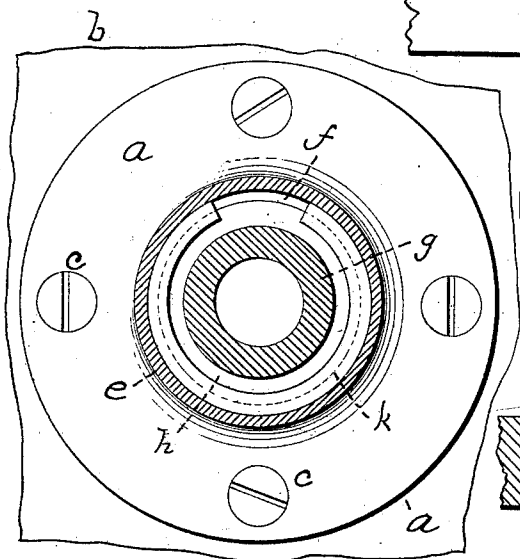


Fig. 3.

WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

WILLIAM H. MARSHALL, OF WAKEFIELD, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO THE MARINE HARDWARE COMPANY, A CORPORATION OF MAINE.

SHEET-LEADER BLOCK.

SPECIFICATION forming part of Letters Patent No. 719,124, dated January 27, 1903.

Application filed October 30, 1902. Serial No. 129,413. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. MARSHALL, a citizen of the United States, residing in Wakefield, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Sheet-Leader Blocks, of which the following is a specification.

This invention relates to that class of sheet-leader blocks in which the sheave-frame or pulley-frame is supported when the sheet is slackened, and thus prevented from dropping over upon the deck and marring it.

My invention has for its principal objects to produce a sheet-leader block which is simple in construction, which is economical to manufacture, in which the number of parts is reduced to a minimum, and in which a rotative shell or guard-plate for supporting the sheave-frame is done away with, and hence the danger of breakage, always present when such a guard-plate is employed, is obviated.

The nature of the invention is fully described below and illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of my improved sheet-leader block, the sheave-frame being shown in full lines dropped to one side, as when not in use, and in dotted lines in a vertical position. Fig. 2 is a horizontal section taken on line 2, Fig. 1. Fig. 3 is a vertical section taken on line 3, Fig. 1.

Similar letters of reference indicate corresponding parts.

a represents the base-plate, preferably circular in form and adapted to be secured to the deck *b* by a suitable number of screws *c*. This base-plate is provided with a central hole *d* and is formed up into a circular vertical flange *e*, which is concentric with the periphery of the base-plate and is provided on its inner surface with a horizontal groove *f*.

g represents a plug resting on that portion of the plate *a* which lies between the vertical flange *e* and the hole *d*, adapted to be rotated freely within said flange. This plug is provided with a peripheral groove *h*, which registers with the groove *f* and which contains a spring *k*, which extends from the groove *h* into the groove *f* and prevents the plug from being withdrawn without interfering with its

rotation. This spring is preferably formed at its under outer corner with the bevel *h'* to facilitate its being compressed and slipped with the plug into position inside the flange. The upper end of the plug is formed into ears *h'*, which are provided with the horizontal pivot-pin *l*, which supports a swinging link *m*, whose outer end has a suitable eye, through which the lower end *n'* of the sheave-frame *n* loosely extends.

p is the pulley.

As above mentioned, the plug *g* is rotatively secured to and within the flange *e*, extending up from the base-plate *a* by a spring *f*. The pulley is therefore free to swing in any direction. When the sheet is slackened, the sheave-frame rests upon the upper edge of the flange *e* out of contact with the deck. There is no rotative guard-plate necessary for holding up the sheave-frame, and hence there is no guard or plate of any kind which extends over toward or around the edge of the base-plate, such a guard or plate, which is liable to become broken, being entirely done away with.

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

1. In a sheet-leader block, the base-plate provided with the substantially vertical annular flange *e*; a plug rotatively supported by the base-plate within said flange; a sheave-frame and pulley; and a pivotal connection between the plug and the sheave-frame, substantially as described.

2. In a sheet-leader block, the base-plate provided with the substantially vertical annular flange *e* formed with the internal groove *f*; the plug *g* supported by the base-plate within said flange and provided with the annular groove *h*; the spring *k* within said grooves; a sheave-frame and pulley; and a pivotal connection between the plug and the sheave-frame, substantially as set forth.

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

WILLIAM H. MARSHALL.

Witnesses:

HENRY W. WILLIAMS,
A. K. HOOD.