

WILLIAM WELCH.

Brackets for Warp-Creels.

No. 127,816.

Patented June 11, 1872.

Fig. 1.

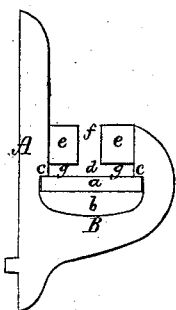


Fig. 3.

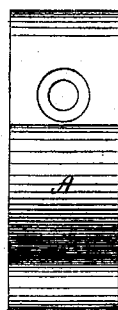
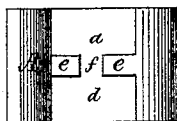


Fig. 2.



Witnesses.

S. W. Piper.

L. N. Koller.

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by his attorney

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UNITED STATES PATENT OFFICE.

WILLIAM WELCH, OF WOONSOCKET, RHODE ISLAND.

IMPROVEMENT IN BRACKETS FOR WARP-CREELS.

Specification forming part of Letters Patent No. 127,816, dated June 11, 1872.

To all persons to whom these presents may come:

Be it known that I, WILLIAM WELCH, of Woonsocket, of the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Brackets for Warper-Creels; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a side elevation, Fig. 2 a top view, and Fig. 3 a front view, of a warper-creel bracket as improved by me.

The body A is to be of metal—as cast-iron, for instance. In carrying out my invention I form the said body with a chamber, B, to receive a plate, *a*, of glass, and an elastic bearing, *b*, of leather or other proper material, the chamber, as shown, being extended laterally through the body and open at top, and furnished with shoulders *c c* for the glass plate *a* to rest against on its upper surface. The opening or space *d* over the plate *a* has two projections, *e e*, extended from its opposite sides toward each other, with a passage, *f*, between such projections, and a passage, *g*, underneath each and between it and the anti-friction bearing-plate *a*, all being as shown in the drawing. The journals of the creels rest on the plate *a* and against the projections. By means of the passages between and beneath the projections any fibrous matter which may gather upon

the plate *a* may be readily removed from the bracket by a pin or other proper implement drawn across the plate *a* and between the projections. The elastic bearing *b* serves to hold the plate *a* firmly in place against the shoulders, as well as to prevent it from being easily broken by a creel-journal.

I am aware that creel-brackets have been made wholly of glass, and with a solid septum or partition to separate the creel-journals. I make no claim to such brackets, they, while in use, being very liable to become broken and difficult to keep free from fibrous accumulations; whereas my improved bracket is not subject to such disadvantages.

I claim as my invention the following, viz.:

1. The warper-creel bracket, provided with the glass or anti-friction plate *a* and the elastic bearing *b* arranged in it, as set forth.
2. Also, the warp-creel bracket as having the divisional projections *e e* and the passages *f g g* between and below them, and arranged with the bearing-plate *a*, substantially in manner as described and represented.
3. Also, the creel-bracket as made with the bearing receiving-chamber B and the two projections *e e*, arranged as set forth.

WILLIAM WELCH.

Witnesses:

LATIMER W. BALLOU,
E. CHAS. FRANCIS.