

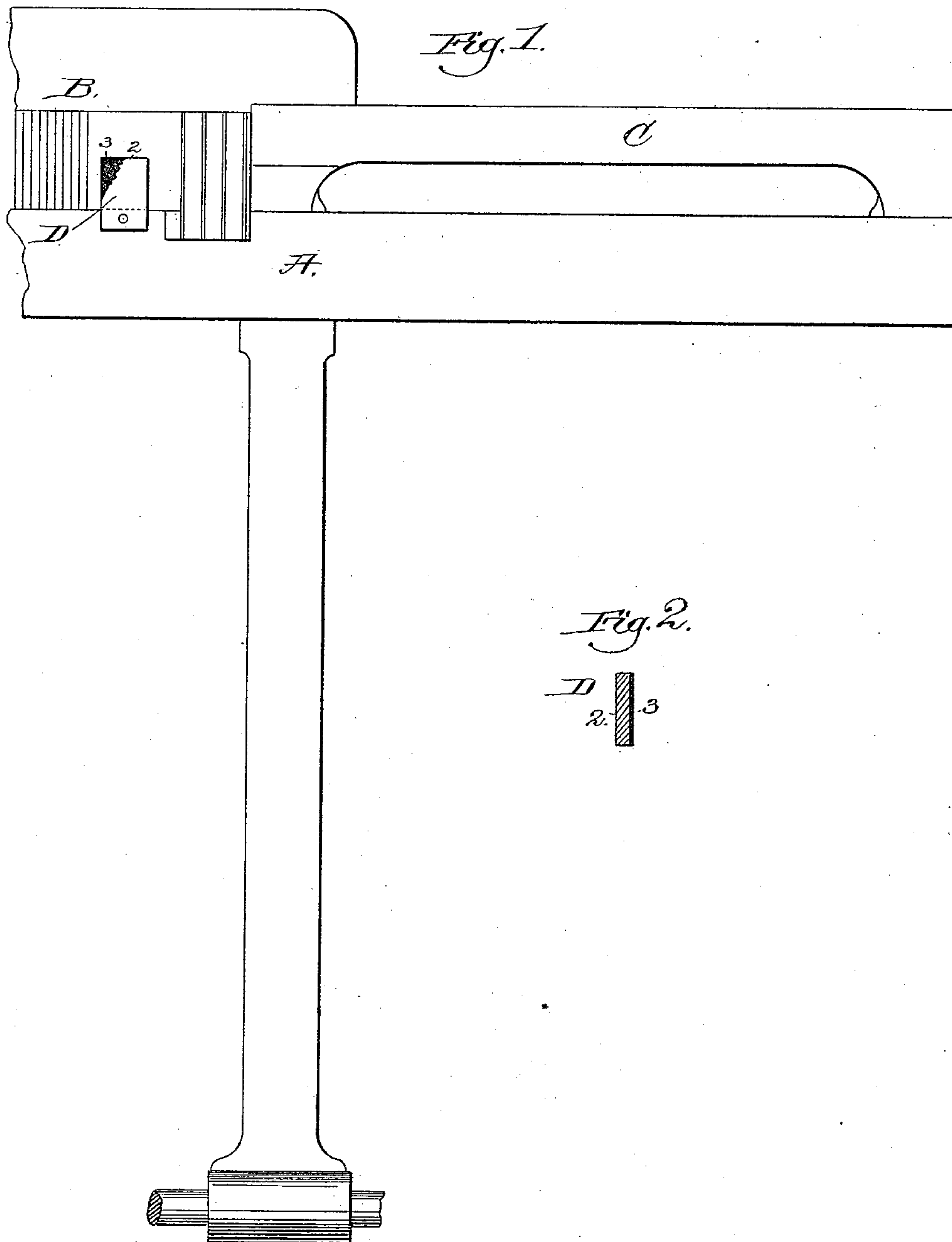
(No Model.)

S. S. WALKER.

WEFT CHECK OR DRAG FOR LOOMS.

No. 355,804.

Patented Jan. 11, 1887.



Witnesses.
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UNITED STATES PATENT OFFICE.

SAMUEL S. WALKER, OF WARREN, RHODE ISLAND, ASSIGNOR OF ONE-HALF
TO GEORGE DRAPER & SONS, OF HOPEDALE, MASSACHUSETTS.

WEFT CHECK OR DRAG FOR LOOMS.

SPECIFICATION forming part of Letters Patent No. 355,804, dated January 11, 1887.

Application filed January 26, 1885. Serial No. 153,954. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL S. WALKER, of Warren, county of Bristol, State of Rhode Island, have invented an Improvement in Weft Checks or Drags for Looms, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

The object of this invention is to provide a device or drag to prevent injurious kinking of the filling or weft thread between the shuttle-box and the selvage of the cloth being woven.

To obviate the difficulty referred to I have provided the lay at its front side, between the selvage of the cloth being woven and the shuttle-box, or between the latter and the reed, with a filling or weft check or drag composed of a backing provided with a friction-surface for catching and holding the weft, the backing being preferably of leather and the friction-surface a piece of cloth placed on it.

Figure 1 shows in front elevation a sufficient portion of the lay of a loom of usual construction to illustrate a practical embodiment of my invention, part of the backing being broken away to show the friction-surface, and Fig. 2 a separate edge view of my improved filling or weft-check removed from the lay.

The lay A, reed B, and shuttle-box C are all of usual construction. At the front edge of the lay, between the reed and the inner end of the shuttle-box, I have attached my im-

proved filling or weft-check D, herein shown as a rather stiff piece of sole-leather, 2, for a backing, and faced with textile material, as at 3, for the friction-surface.

When weaving, the weft or filling thread, extended from the selvage to the shuttle, is apt to become kinked or twisted, and frequently the shuttle when thrown into the shed fails to pull sufficiently upon the weft or filling to straighten out the twist or kink. I effectually overcome and obviate this difficulty by the employment of the described thread-check extended upward above the race of the lay and having a friction-surface against which the weft or filling thread catches, and by which it is held back or retained with sufficient friction to obviate the formation of kinks or twists in the thread.

I claim—

The lay having the usual reed and shuttle-box, combined with the filling or weft check or drag D, composed of the stiff backing and the friction-surface thereon, and arranged between the end of the reed and the shuttle-box to act upon the shuttle-thread and prevent it from kinking when the shuttle is thrown into the shed, substantially as described.

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

SAMUEL S. WALKER.

Witnesses:

THOMAS J. BRIGGS,
DAVID H. POTTER.