Jan. 12, 1926. 1,569,348

I. ANDREWS

HARNESS DEVICE

Filed August 31, 1923

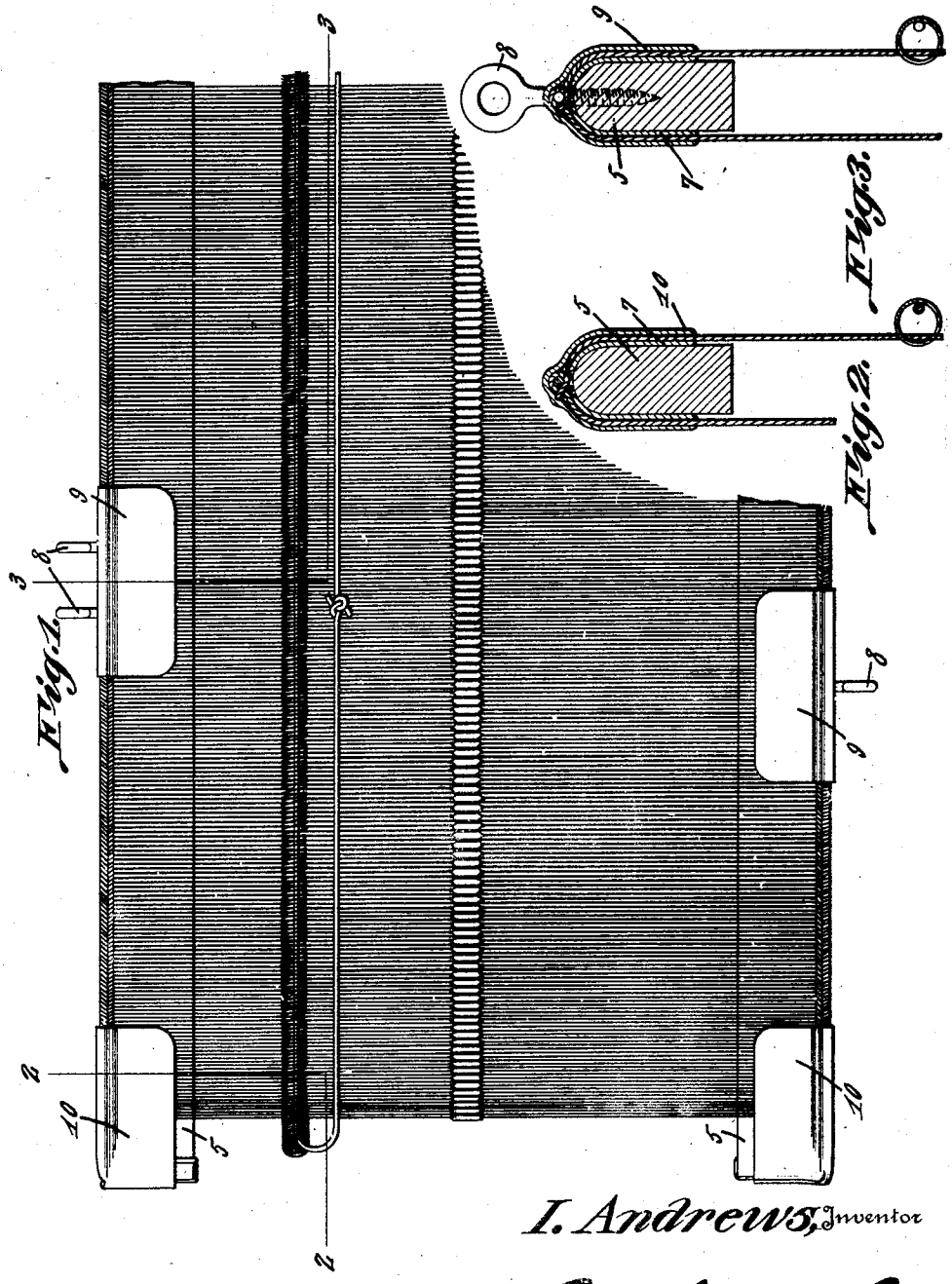


Fig. 3.

Fig. 2.

Fig. 1.

I. Andrews, Inventor

By C. A. Snow & Co.

Attorney

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UNITED STATES PATENT OFFICE.

ISAAC ANDREWS, OF SPARTANBURG, SOUTH CAROLINA.

HARNESS DEVICE.

Application filed August 31, 1923. Serial No. 660,407.

To all whom it may concern:

Be it known that I, ISAAC ANDREWS, a citizen of the United States, residing at Spartanburg, in the county of Spartanburg and State of South Carolina, have invented a new and useful Harness Device, of which the following is a specification.

This invention relates to loom harness, and aims to provide novel means for eliminating deterioration of the heddles of the harness by the action of the rust on the usual screw eyes that have connection therewith.

Another important object of the invention is to provide means for preventing the heddles being moved out of their proper position while in use.

A still further object of the invention is to provide means for preventing the heddles of the harness from falling over the end thereof to cause the heddles to become tangled.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is an elevational view of a loom harness constructed in accordance with the invention, a portion thereof being broken away.

Figure 2 is a sectional view taken on line 2—2 of Figure 1.

Figure 3 is a sectional view taken on line 3—3 of Figure 1.

Referring to the drawing in detail, the loom harness is of the usual and well known construction, the same embodying spaced bars 5 that are designed as supports for the usual heddles 6.

By way of illustration, it might be stated that due to the humidity in mills, the harness screw eyes become coated with a rust which tends to rot the twine positioned adjacent thereto, to the end that the heddles brake at this point with the result that the threads in the warp in the loom fall down, causing a defect in the cloth woven by the loom.

To eliminate such weakening of the heddles, protecting strips 7 are secured to the bars, the strips being formed preferably of strong cloth material and held in position by glue or other adhesive material. These strips 7 lie between the twine and the bars 5 eliminating wear of the heddles at this point.

Positioned over the heddles at points adjacent to the screw eyes 8, are strips of cloth material 9 that are cemented or otherwise secured in position, the adhesive material for securing the strips adhering to the heddles. As shown, these strips of cloth material 9 completely house the heddles at points adjacent to the screw eyes 8 so that any rust formation on the screw eyes that would deteriorate the heddles to weaken the same will be guarded against contact with the heddles.

At the ends of the bars 5 are provided strips of flexible cloth material 10 that are secured to the heddles at points adjacent to the ends of the bars 5, portions of the strips 10 being also secured to the bars 5 adjacent to the heddles, eliminating any possibility of the heddles falling over the ends of the bars to tangle the heddles.

While I have shown and described the members 9 and 10 as formed of strips of cloth material, it is to be understood that it is within the scope of the invention to construct these members 9 and 10 of any suitable material.

I claim:—

A loom harness comprising spaced supporting bars, heddles supported by the bars, screw eyes secured to the bars, members formed of fabric material positioned on the bars adjacent to the screw eyes, fabric members positioned over the heddles at points adjacent to the screw eyes, and fabric members positioned over the ends of the bars and over the heddles arranged adjacent thereto.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

ISAAC ANDREWS.