(No Model.)

T. ALBINSON.

FALSE REED FOR LOOMS.

No. 577,125. Patented Feb. 16, 1897.

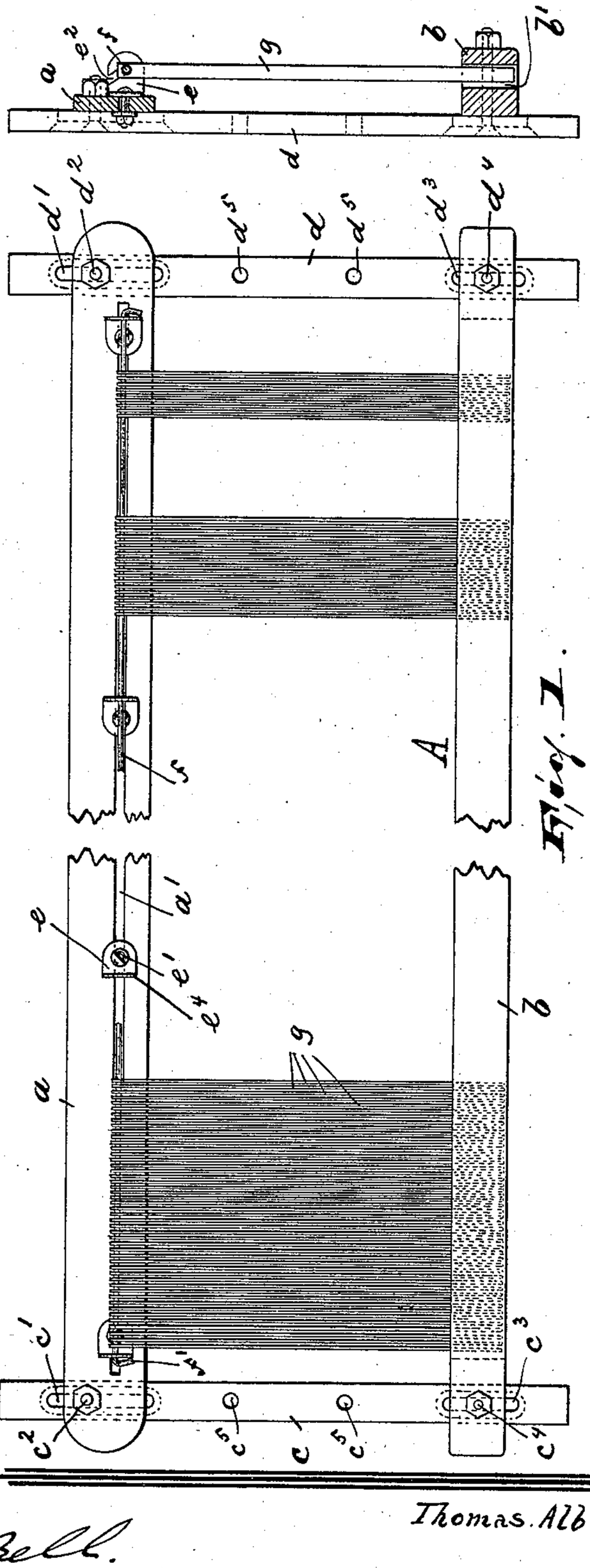

Fig. 2.

Fig. 1.

WITNESSES:

Wm. D. Bell.

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UNITED STATES PATENT OFFICE.

THOMAS ALBINSON, OF PATERSON, NEW JERSEY.

FALSE REED FOR LOOMS.

SPECIFICATION forming part of Letters Patent No. 577,125, dated February 16, 1897.

Application filed November 21, 1896. Serial No. 612,980. (No model.)

To all whom it may concern:

Be it known that I, THOMAS ALBINSON, a citizen of the United States, residing in Paterson, county of Passaic, and State of New Jersey, have invented certain new and useful Improvements in False Reeds for Looms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of my present invention is to provide a false reed for looms, to take the place of the ordinary "cord or string reed," of simple, strong, and durable construction, reliable and efficient in operation.

The invention consists in the improved false reed and in the combination and arrangement of the various parts thereof, substantially as will be hereinafter more fully described, and finally embodied in the clauses of the claim.

In the accompanying drawings, Figure 1 is a front elevation of my improved reed, certain portions being broken away and others removed to better illustrate the nature of my said invention; and Fig. 2, a vertical central section of the same.

In said drawings, A represents the rectangular-shaped reed-frame, consisting of the sections or sides *a*, *b*, *c*, and *d*. The side sections *c* and *d* are each provided at or near the ends with elongated slots c' c^3 and d' d^3, penetrated by the bolts c^2 c^4 and d^2 d^4, respectively, by means of which latter the said longitudinal sections or sides *a* and *b* are adjustably secured to the side sections *c* and *d*. The upper section or head-bar *a* is provided with an elongated slot a', in which are adjustably secured, by means of the bolts e', the end and intermediate brackets *e*, provided in their forwardly-projecting portions e^4 (arranged at right angles to the head-bar *a*) with the inclined slots e^2, adapted to receive and support the rod or wire *f*. Said rod is bent at its end portions, as at f', adapted to bear against the end brackets and to thus prevent a lateral motion of the said rod or wire *f*. On the latter are fulcrumed and slidingly arranged a series of dents of uniform width and length, which dents project downward into the elongated groove or slot b' of the bottom section *b*, by means of which latter the swinging motion of the dents is limited.

The frame A is adapted to be secured to the batten of a loom by means of screws or bolts penetrating the openings c^5 and d^5, arranged in the side sections *c* and *d* of the reed-frame A or in any desired manner.

From the foregoing it will be seen that false reeds constructed substantially as shown and described possess the advantage of being durable and strong, not liable to get out of order, besides being adjustable, whereby the said reeds can be employed and used on looms of different make and construction.

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

1. A false reed, consisting of an adjustable frame, a series of brackets arranged on the head-bar of said frame, a rod or wire removably arranged in said brackets, and a series of dents fulcrumed and slidingly arranged on said rod or wire and depending therefrom, substantially as described.

2. A false reed, consisting of a frame, a series of brackets on said frame and horizontally-adjustable thereon, a rod or wire removably arranged in said brackets, and a series of dents fulcrumed and slidingly arranged on said rod or wire and depending therefrom, substantially as described.

3. A false reed, consisting of a frame having adjustable sections, the head section of said frame being provided with an elongated slot, a series of brackets adjustably arranged in said slot, a rod or wire removably arranged in said brackets, and a series of dents fulcrumed and slidingly arranged on said rod or wire and depending therefrom, substantially as described.

4. A false reed, consisting of a frame having adjustable sections, the head and bottom sections of said frame being each provided with an elongated slot, a series of brackets adjustably arranged in the elongated slot of

the head section, a rod or wire removably arranged in said brackets, and a series of dents fulcrumed and slidingly arranged on said rod or wire and depending therefrom and having their lower portions extending into the elongated slot of the bottom section, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of November, 1896.

THOMAS ALBINSON.

Witnesses:
ALFRED GARTNER,
ELIZEBETH ALBINSON.