

No. 731,868.

PATENTED JUNE 23, 1903.

A. DUBÉ.
WEFT FORK MECHANISM.
APPLICATION FILED SEPT. 11, 1902.

NO MODEL.

FIG. 1.

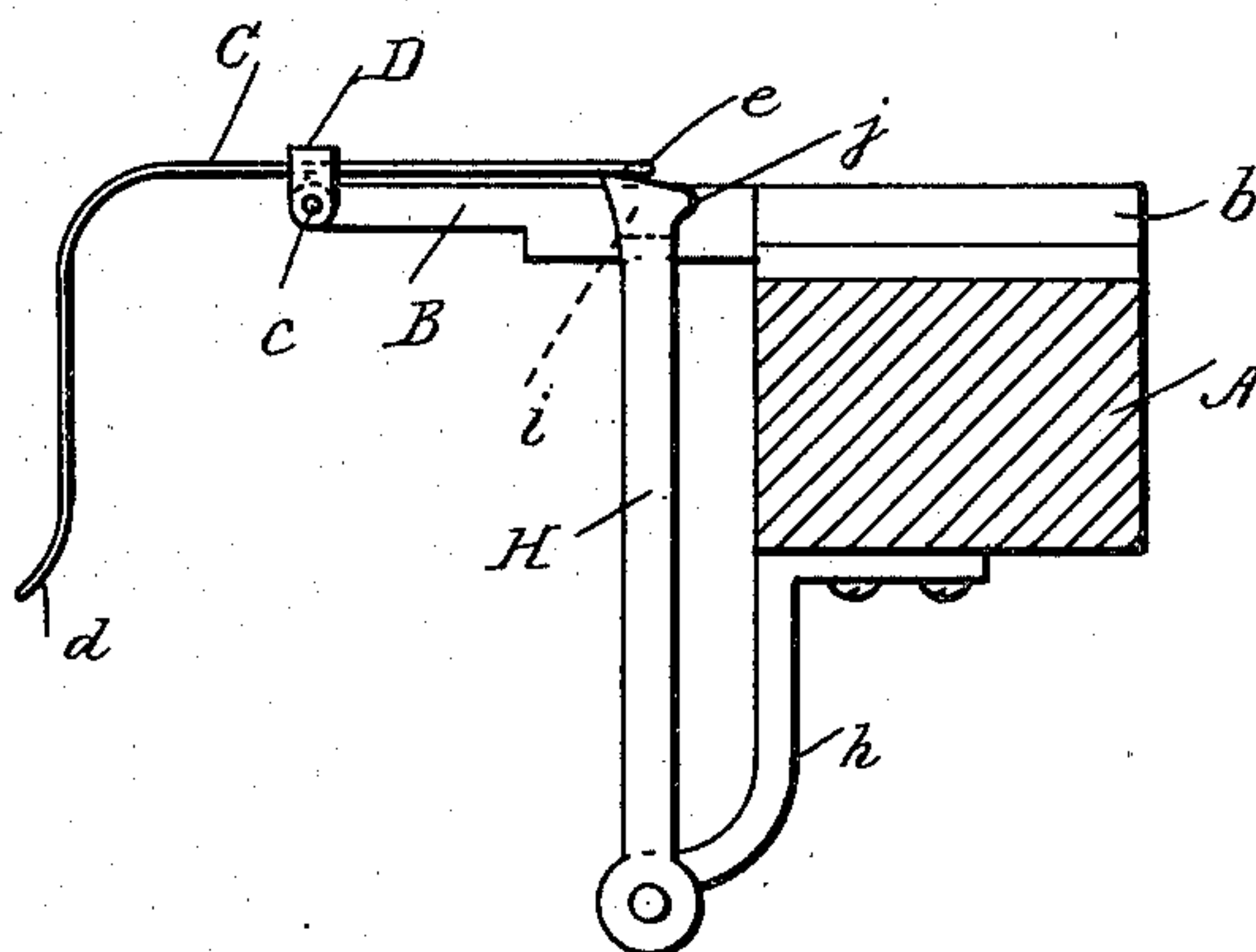


FIG. 2.

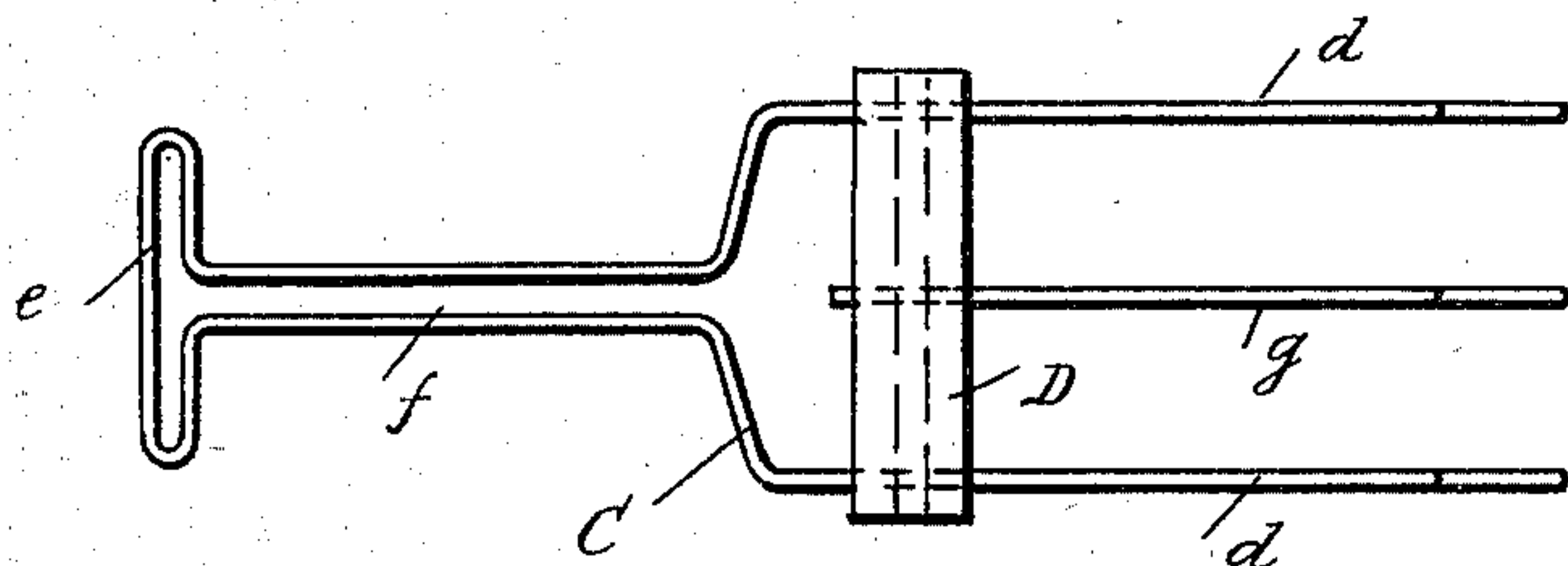
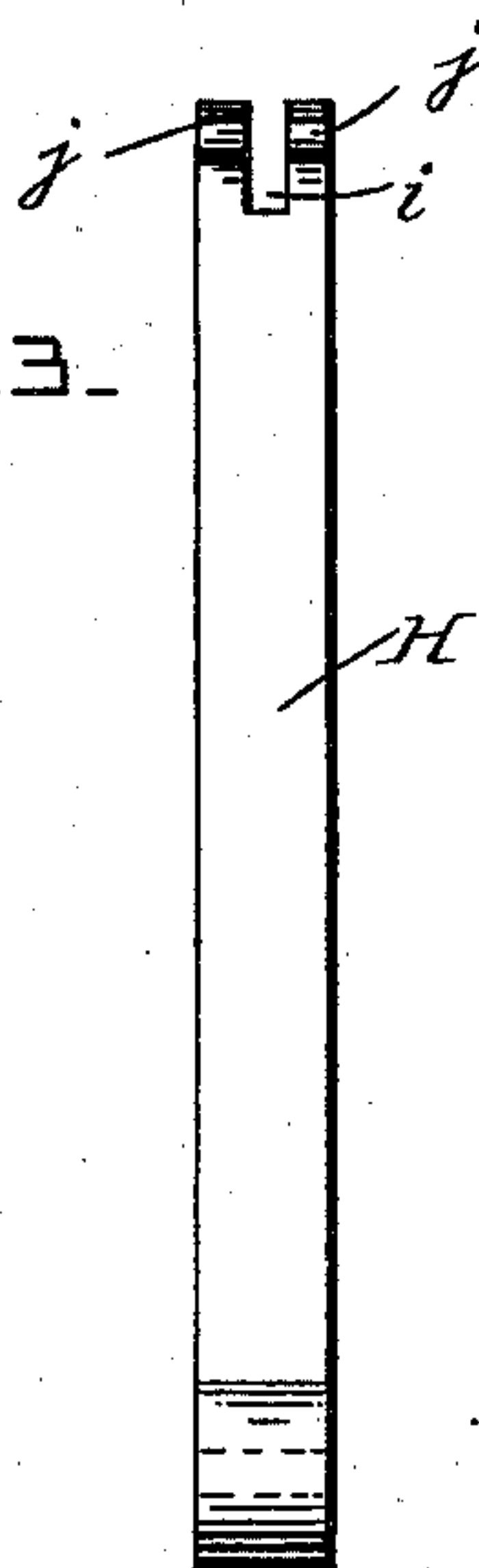


FIG. 3.



WITNESSES
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ARTHUR DUBÉ, OF FALL RIVER, MASSACHUSETTS.

WEFT-FORK MECHANISM.

SPECIFICATION forming part of Letters Patent No. 731,868, dated June 23, 1903.

Application filed September 11, 1902. Serial No. 122,907. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR DUBÉ, a citizen of the United States, residing at Fall River, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Weft-Fork Mechanism; 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.

This invention relates to the weft-fork mechanism of a loom; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of the weft-fork mechanism. Fig. 2 is a plan view of the weft-fork. Fig. 3 is a front view of the weft-hammer.

A is the breast-beam, which is shown in cross-section. B is the weft-fork slide, and b is its guide on the breast-beam. All these parts are of any approved construction.

C is the novel weft-fork, which is pivoted by a pin c to the slide B. The weft-fork has two prongs d, formed of the end portions of a loop of wire, which is bent double to form a projecting cross-bar e at one end and a shank f.

D is a pivot-block provided with a central prong g, arranged between the two prongs d. The block D has holes in it which are slid over the prongs d, and it also has a hole for the pivot-pin c.

H is the weft-fork hammer which is pivotally supported by a bracket h, which is secured to the breast-beam A. The hammer

has a notch i in its upper end, which is beveled, and it has also two small rounded projections j on one side. The shank f drops into the notch of the hammer, and the cross-bar engages with its projections on each side of the notch, so that all rebounding is prevented.

What I claim is—

1. The combination, with a pivoted weft-fork hammer having a slot in its top, of a pivoted weft-fork provided with a shank which drops into the said slot and which has also a cross-bar which engages with the hammer on each side of the said slot, substantially as set forth.

2. The combination, with a pivoted weft-fork hammer having a slot in its top, and projections on its side, of a pivoted weft-fork provided with a shank which drops into the said slot and which has also a cross-bar which engages with the said projections, substantially as set forth.

3. The combination, with a pivoted weft-fork hammer having a slot in its top; of a pivoted weft-fork comprising two prongs, a shank and an end cross-bar formed of a loop of wire bent double, and a pivot-block slid on the said prongs and provided with an intermediate prong, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR DUBÉ.

Witnesses:

GILBERT MARTEL,
LOUIS A. DUBÉ.