No. 768,900. PATENTED AUG. 30, 1904.

A. HEATON.

LOOM SHUTTLE BOX.

APPLICATION FILED JUNE 29, 1903.

NO MODEL. 2 SHEETS—SHEET 1.

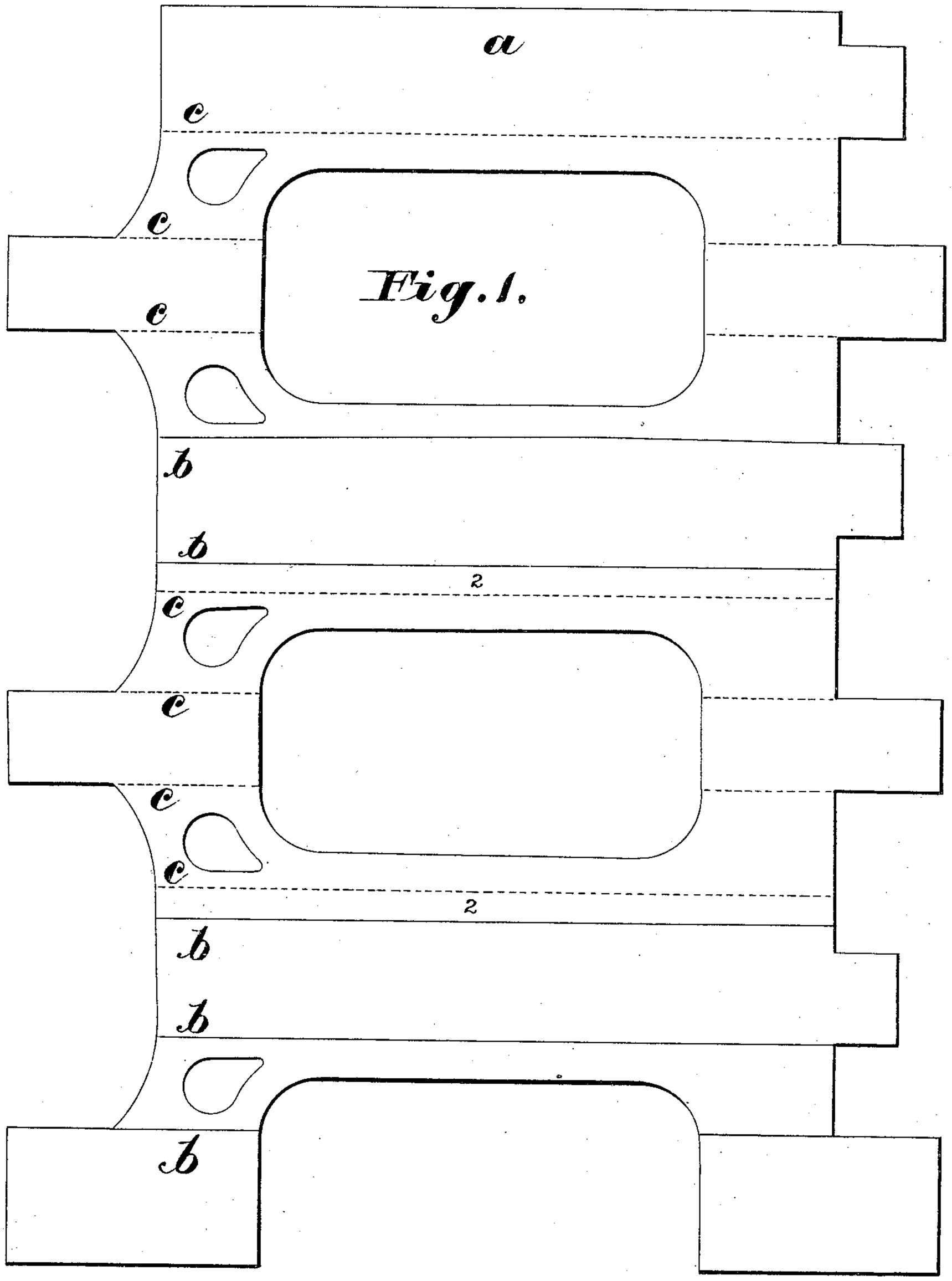

Fig. 1.

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NO MODEL. 2 SHEETS—SHEET 2.

Fig. 4.

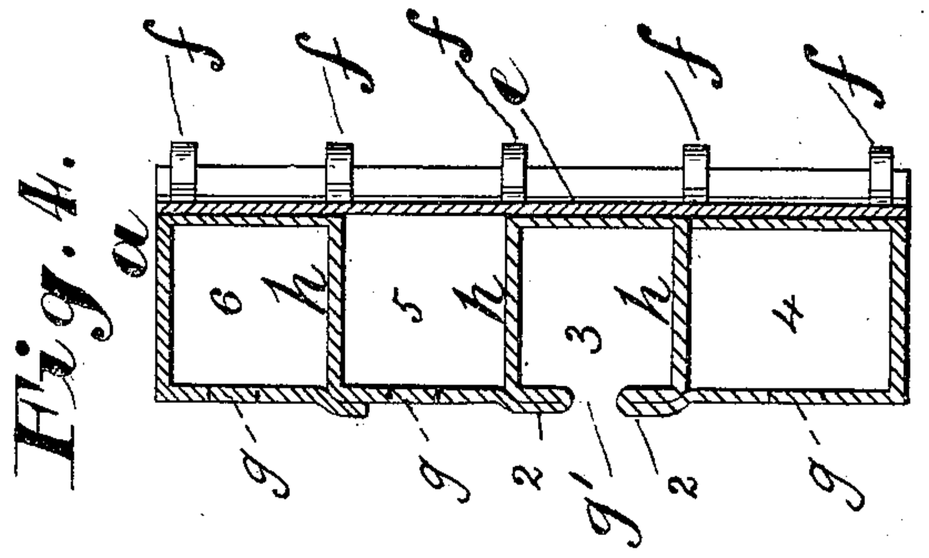


Fig. 2.

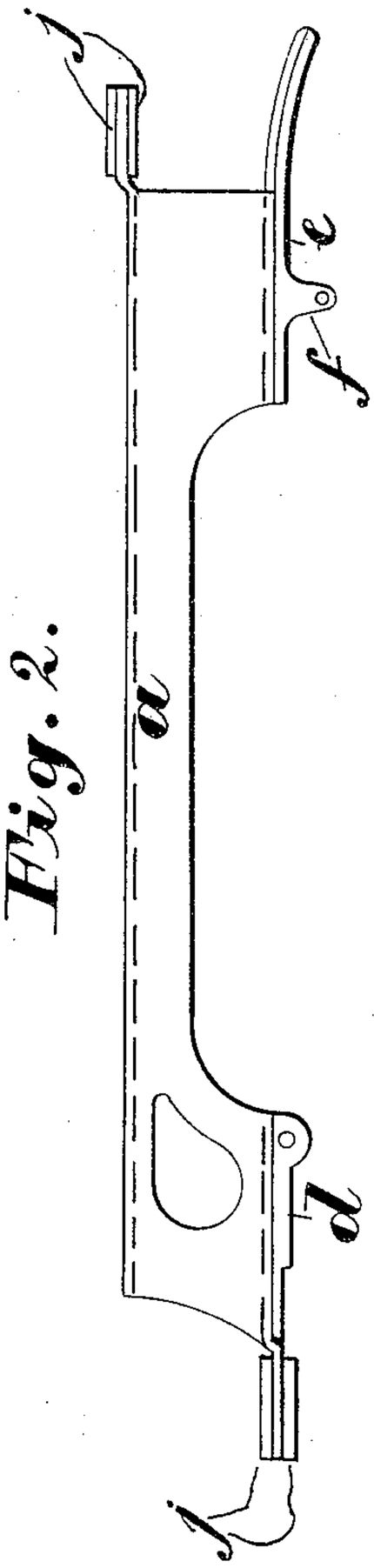
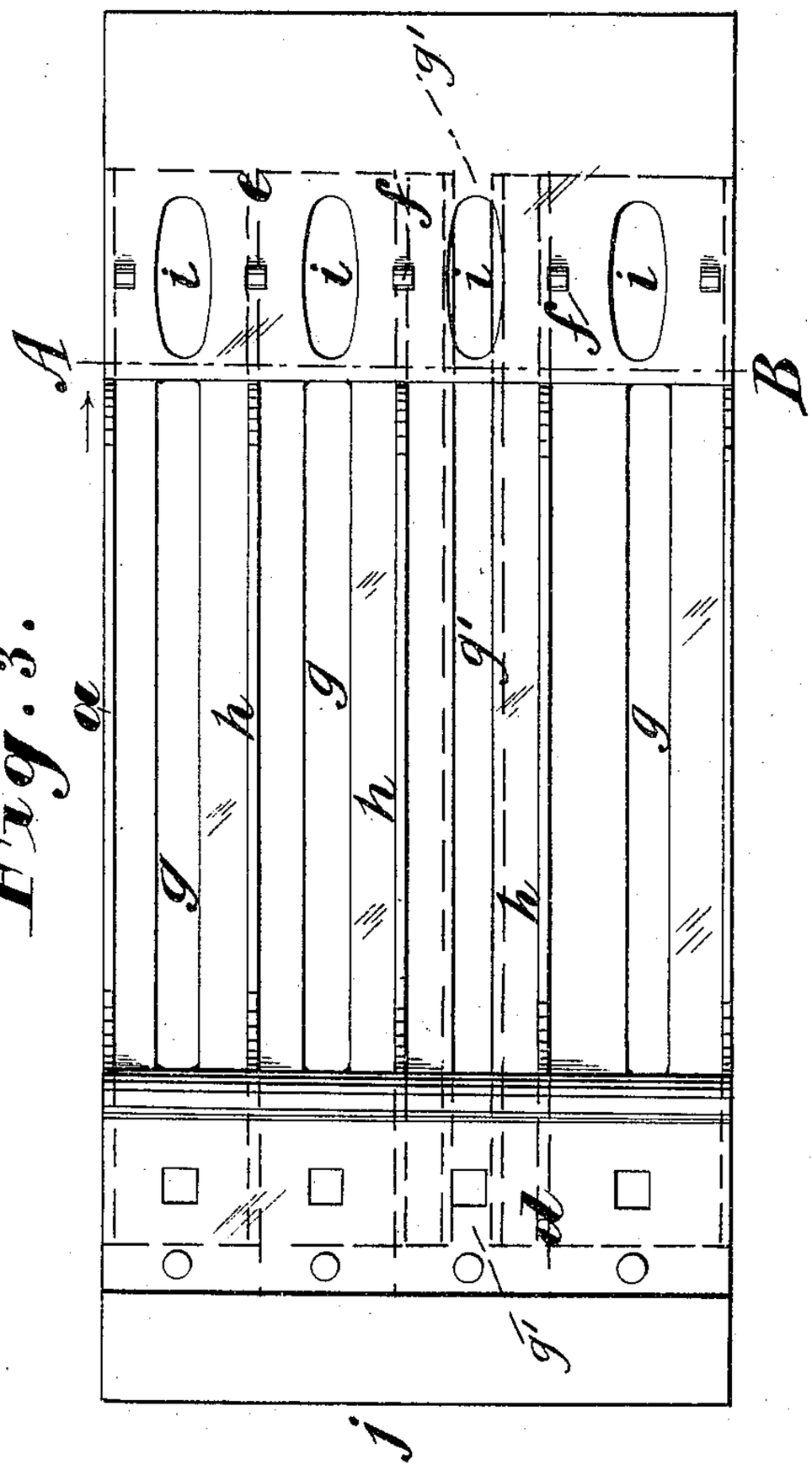


Fig. 3.



Witnesses:
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No. 768,900. Patented August 30, 1904.

UNITED STATES PATENT OFFICE.

ARTHUR HEATON, OF LIVERSEDGE, ENGLAND.

LOOM SHUTTLE-BOX.

SPECIFICATION forming part of Letters Patent No. 768,900, dated August 30, 1904.

Application filed June 29, 1903. Serial No. 163,554. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR HEATON, residing at Liversedge, in the county of York, England, have invented certain new and useful Improvements in Loom Shuttle-Boxes; 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 shuttle-boxes formed of bent sheet metal; and it consists in the novel construction of the same, as hereinafter fully described and claimed.

In the drawings, Figure 1 is a plan view of the main part of the shuttle-box before being folded to shape. Fig. 2 is a plan view of the shuttle-box after being folded to shape. Fig. 3 is a front view of the shuttle-box. Fig. 4 is a cross-section taken on line A B in Fig. 3.

The main portion *a* of the shuttle-box is stamped out of sheet metal, as shown in Fig. 1, and is then bent upon the lines *b* and *c*, so that it takes the form shown in Fig. 4. This shuttle-box has three shelves *h* and four compartments for the shuttles. A plate *d* is secured to the front of the box at one end, and the "swell" is hinged to this plate. A plate *e* is secured to the front of the box at its other end and has lugs *f* for the pin which limits the outward movement of the swell. Slots *g* are cut parallel to each other in the back of the box, one for each compartment, and one compartment has a slot or opening *g'*, which is formed between the doubled portions 2 of the sheet *a*. One compartment, 3, is formed by bending the plate *a* into a loop, and the parts 2 are formed by doubling the plate upon itself at each side of the loop. The remaining compartments 4, 5, and 6 are formed by bending the sheet above and below the compartment 3. The opening *g'* is parallel with the openings *g* and is similar to them. These slots *g* and *g'* form openings for the picker to work in. The slots *g* and *g'* are preferably cut in the box after it is bent to shape; but they may be cut in the blank (shown in Fig. 1) before bending it, if desired. Four shuttle-compartments are shown and described; but this invention is not confined to a shuttle-box having that number of compartments.

The plate *e* has holes *i* for lightening it, and *j* represents metal wearing-strips secured to those parts of the box which slide in the frame of the loom.

What I claim is—

A shuttle-box having its main portion formed of a sheet-metal plate provided with a rectangular loop which forms one shuttle-compartment, portions of the said plate being bent double at the back of the said compartment and a space being left between them to form a slot for the picker, and the remaining shuttle-compartments being formed by bending the said plate above and below the said loop into similar compartments.

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

ARTHUR HEATON.

Witnesses:

ERNEST PRIESTLEY NEWTON,

ERNEST LOCKWOOD.