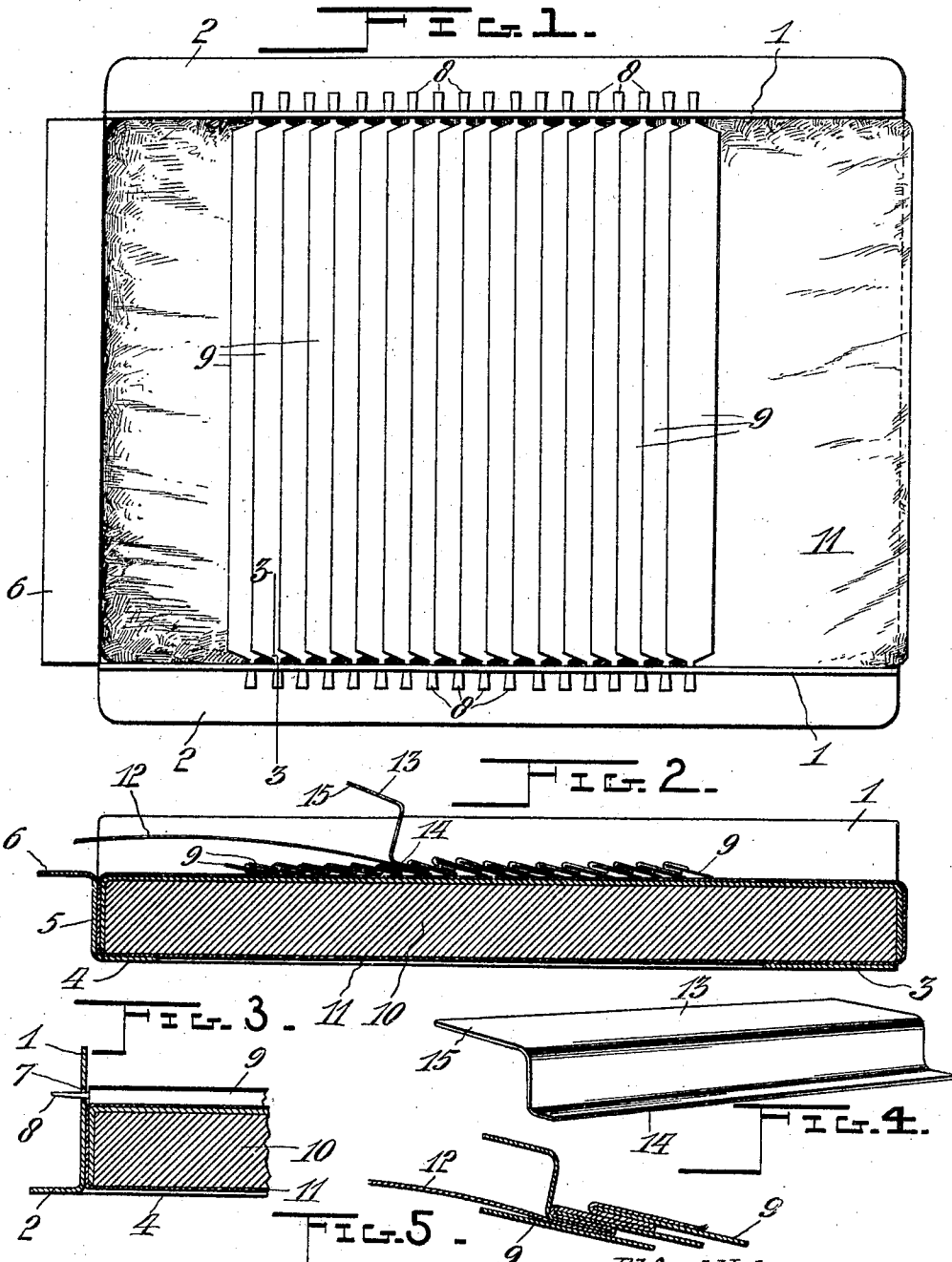


No. 836,322.

PATENTED NOV. 20, 1906.

A. HOLMES.
PLAITING APPARATUS.
APPLICATION FILED MAY 27, 1906.



Witnesses:
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UNITED STATES PATENT OFFICE.

ALFRED HOLMES, OF VANCOUVER, BRITISH COLUMBIA, CANADA.

PLAITING APPARATUS.

No. 836,322.

Specification of Letters Patent.

Patented Nov. 20, 1906.

Application filed May 27, 1905. Serial No. 262,548.

To all whom it may concern:

Be it known that I, ALFRED HOLMES, a subject of the King of England, residing at Vancouver, in the county of Vancouver, Province of British Columbia, Canada, have invented certain new and useful Improvements in Plaiting Apparatus; and I do hereby declare that the following is 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.

My invention relates to plaiting apparatus.

The object of my invention is to provide an easily-operated, portable, and simply-constructed apparatus.

A further object of my invention is to provide an apparatus in which the fabric plaited may be pressed on both sides of the plaits by passing a hot iron thereover.

A further object of my invention is to provide an apparatus from which the plaited fabric may be readily withdrawn and which will accommodate itself to fabrics of different thickness without adjustment by the operator; and my invention consists of the construction, combination, and arrangement of parts, as herein illustrated, described, and claimed.

In the accompanying drawings, forming a part of this application, I have illustrated one form of embodiment of my invention, in which drawings similar reference characters designate corresponding parts, and in which—

Figure 1 is a plan view. Fig. 2 is a vertical section through the apparatus of my invention, showing the application of a fabric and an operating-knife. Fig. 3 is a vertical section on line 3 3 of Fig. 1. Fig. 4 is a perspective view of an operating-knife, and Fig. 5 is an enlarged fragmentary detail, in longitudinal vertical section, showing the application of a fabric to my invention.

Referring to the drawings, 1 1 are side members, which are provided with preferably integral outwardly-extending flanges 2 2, one end of which side members is connected by a transverse member 3. The opposite ends of the side members are connected by a transverse member 4, which is bent upwardly, as at 5, and outward, as at 6, forming a flange. The flanges 2 2 form supporting members, so that the apparatus may be set upon a table or other smooth surface. My preferred construction is to have the

frame described formed from thin sheet metal and the flanges integral with their adjacent parts.

In the side members 1 1 are provided registering openings or bearings 7, adapted to receive the reduced ends or journals 8, formed on the opposite ends of slats 9, which slats are formed from flexible metallic material. These slats are loosely mounted in the bearings, so that they easily rock therein, so that the fabric treated may be easily removed without wrinkling or destroying the plaiting formed.

Disposed intermediate of the side members 1 1 and between the slats 9 and the transverse members 3 and 4 is a board 10, adapted to slide under said slats and provided with a pad 11 until it is of a thickness approximately equal to the height of the flange 5, so that the upper surface of the board is approximately in the same plane with the flange 6. By this construction a pressing-iron passed over the upper part of the apparatus will slide over the flange 6 without obstruction.

In the operation of my invention a piece of fabric 12 is laid over the upper part of the apparatus and a portion thereof passed between the overlapping edges of the slats 9 in any suitable way. To facilitate this operation, I provide a knife 13, having a flange 14 on one edge and a flange 15 of a greater width on its opposite edge, whereby plaits of different widths may be formed; but the fabric may be inserted by any other means, as by a common knife-blade. The slats 9 being readily rockable on their journals the apparatus readily adjusts itself to varying thicknesses of fabric. After the fabric has been inserted between the slats, as described, a hot iron is passed over the upper surface thereof. The upper surface of the plaiting is pressed by the hot iron, the slats being of thin flexible metallic construction become heated, and by the weight of the iron pressed on the fabric press the lower surface of the fabric, so that both sides are pressed at the same time. The board 10 being a part of the structure it should be evident that the whole apparatus is readily portable. The board 10 is readily removable, whereby the padding 11 may be renewed when worn, so that a smooth surface may always be provided for the operation of the apparatus.

Having thus fully described my invention,

what I claim as new, and desire to secure by Letters Patent, is—

1. In a device of the character described, a frame comprising flanged side members and front and rear transverse members, said front member being also provided with a flange, a plurality of overlapping slats provided in said side members on a plane above said front flange, and a filling-board held in said frame, said slats being held in their overlapping positions by said board.

2. In a device of the character described, a frame comprising flanged side members and front and rear transverse members, said

front member being also provided with a flange, a plurality of overlapping slats provided in said side members on a plane above said front flange, a filling-board held in said frame, said slats being held in their overlapping positions by said board, and means for forcing cloth between said slats.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

ALFRED HOLMES.

Witnesses:

N. C. SAWERS,
GEO. RAWDING.