

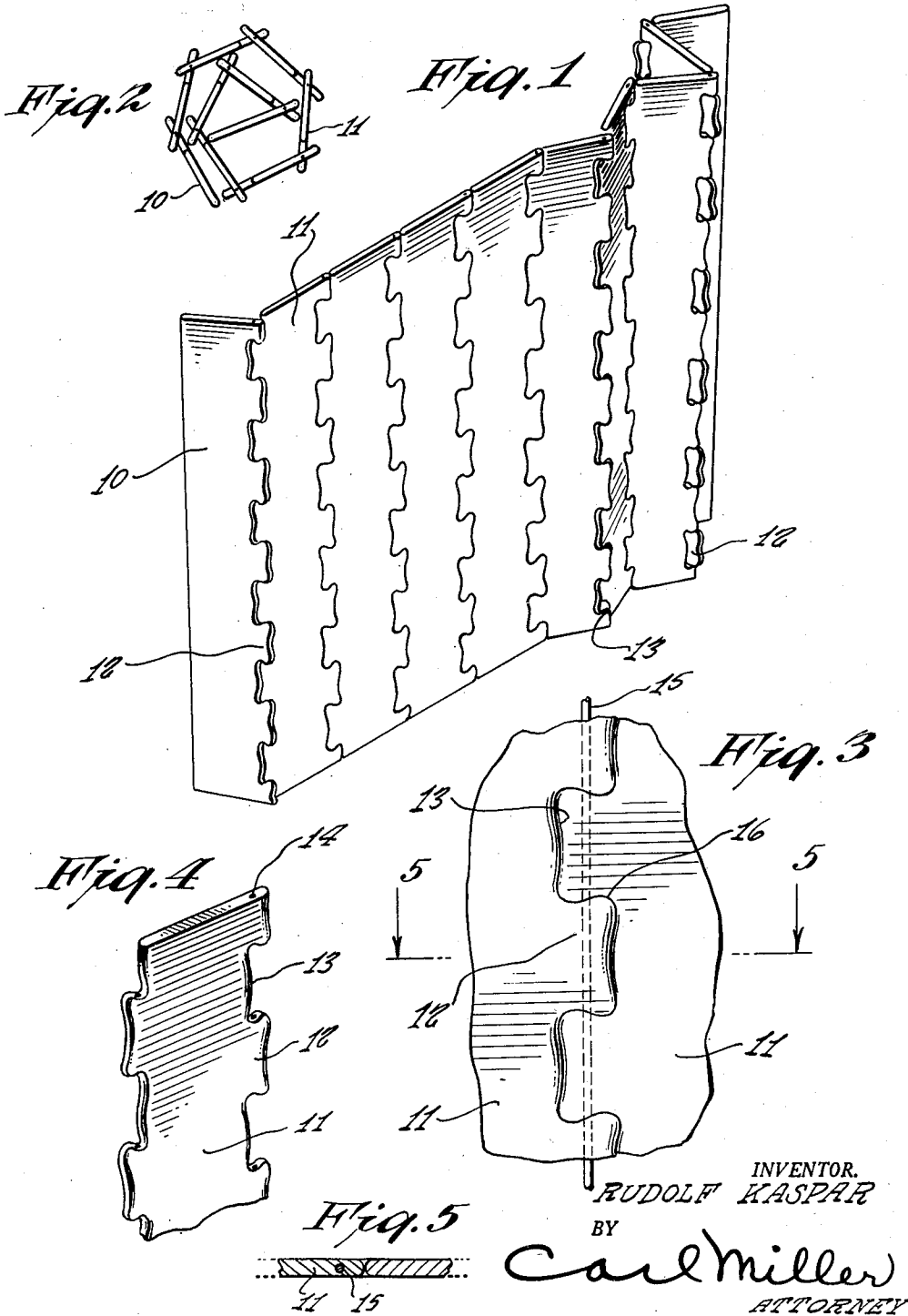
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WOOD SCREEN WITH LOCK JOINTS

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## WOOD SCREEN WITH LOCK JOINTS

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1 Claim. (Cl. 160—229)

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This invention relates to a wood screen with lock joints.

It is an object of the present invention to provide a wood screen having lock joints wherein the strain between the screen elements is placed on the joints and not upon the coupling wire which is used to connect the joints together, the joints being so shaped or curved as to have an interlocking engagement at all times regardless of the angular displacement of the elements with respect to each other.

Other objects of the present invention are to provide a wood screen with lock joints which is of simple construction, inexpensive to manufacture, easy to adjust, adapted to be rolled or extended in curved fashion, compact, has a minimum number of parts and efficient in operation.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in connection with the accompanying drawing, in which

Fig. 1 is a perspective view of the screen with certain of the elements angled with respect to one another at their joints.

Fig. 2 is a top end view of the screen after it has been rolled.

Fig. 3 is an enlarged fragment of the screen taken at one of the joints.

Fig. 4 is a fragmentary perspective view of one of the screen elements.

Fig. 5 is a fragmentary sectional view taken on line 5—5 of Fig. 3.

Referring now to the figures, 10 represents an end screen element and 11 represents intermediate screen elements which are joined together to form the screen. Each of these screen elements are cut from plywood or the like material and have jagged hinge-joined edges. These edges can be interlocked with one another and they contain alternate projections 12 and recesses 13. Through the projections there extends a small hole 14 through which a wire 15 is extended to join the elements together and to maintain them in coupled relationship. The projections and the recesses are so shaped that the parts interlock with one another so as to relieve any strain between the elements from the wire 15. Each projection and each recess is cut in a puzzle-like

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manner and provides dovetail connections between coupled projections and recesses. As the elements are angled with respect to one another, there is a continual grasping of the recesses and projections.

Each projection has an end lip 16 at each end of the projection and the recess is shaped to conform to the end lip to effect the coupled relationship of the parts. At all times, the projections of the elements are locked with one another and overlap so that no strain is placed upon the coupling wire 15.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claim.

Having thus set forth and disclosed the nature of my invention, what is claimed is:

A foldable screen comprising screen elements, having on their side edges alternate recesses and projections to interlock adjacent elements together, said projections and recesses being of the same size and shape and so arranged that the projections on one element are adapted to extend through the recesses of an adjacent element, the projections of said elements having top and bottom end lips to provide a dovetail shape, the dovetail projections being provided with an opening extending longitudinally therethrough and a coupling wire extending through the openings of a series of projections on adjacent elements to pivotally connect said elements, whereby as the screen elements are adjusted the strain between the elements is assumed by top and bottom lips of the projections.

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