J. A. DENNIS.

SCREEN.

APPLICATION FILED APR. 13, 1915.

1,238,646.

Patented Aug. 28, 1917.

2 SHEETS—SHEET 1.

Fig. 1.

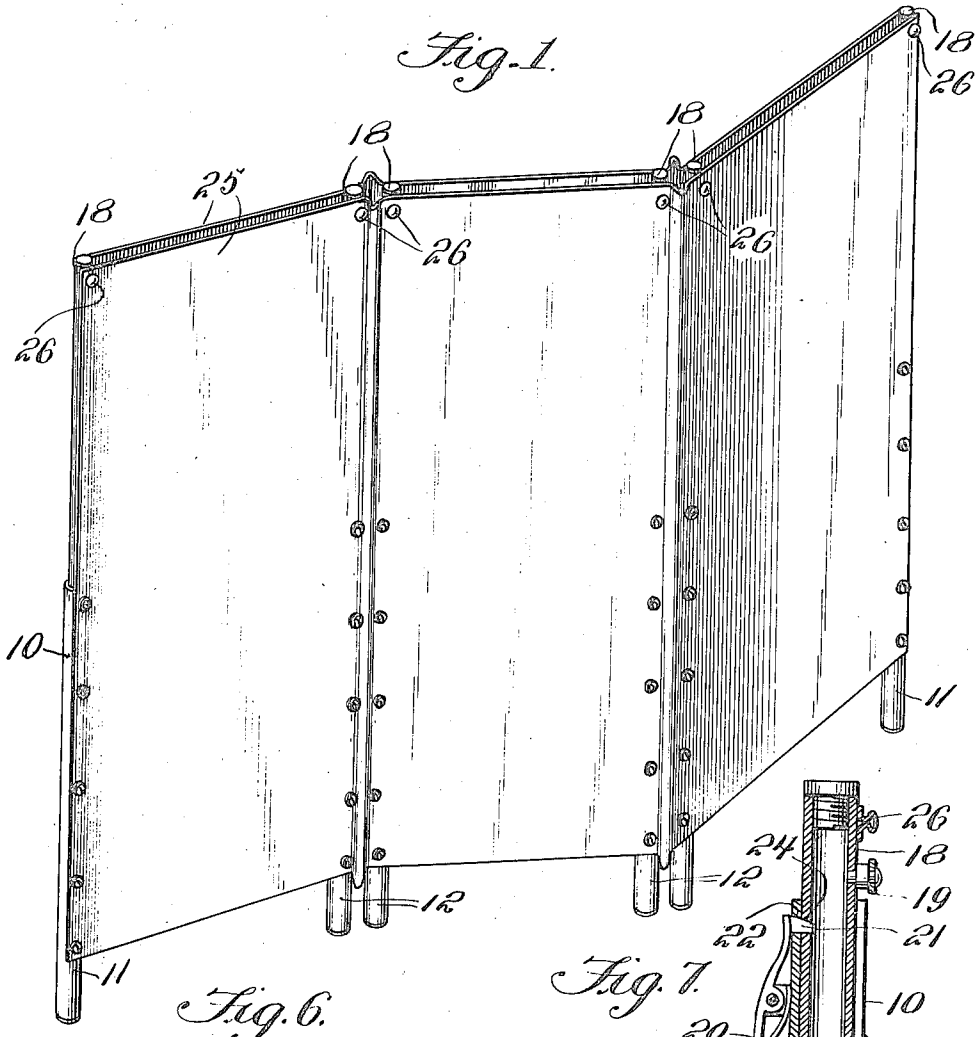


Fig. 6.

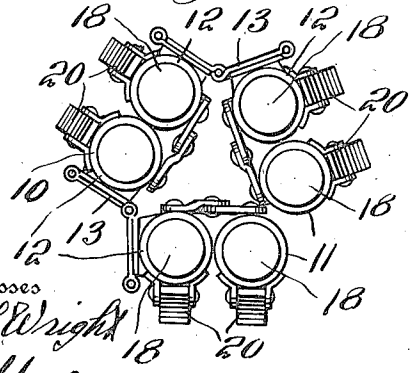


Fig. 7.

Witnesses

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2 SHEETS—SHEET 2.

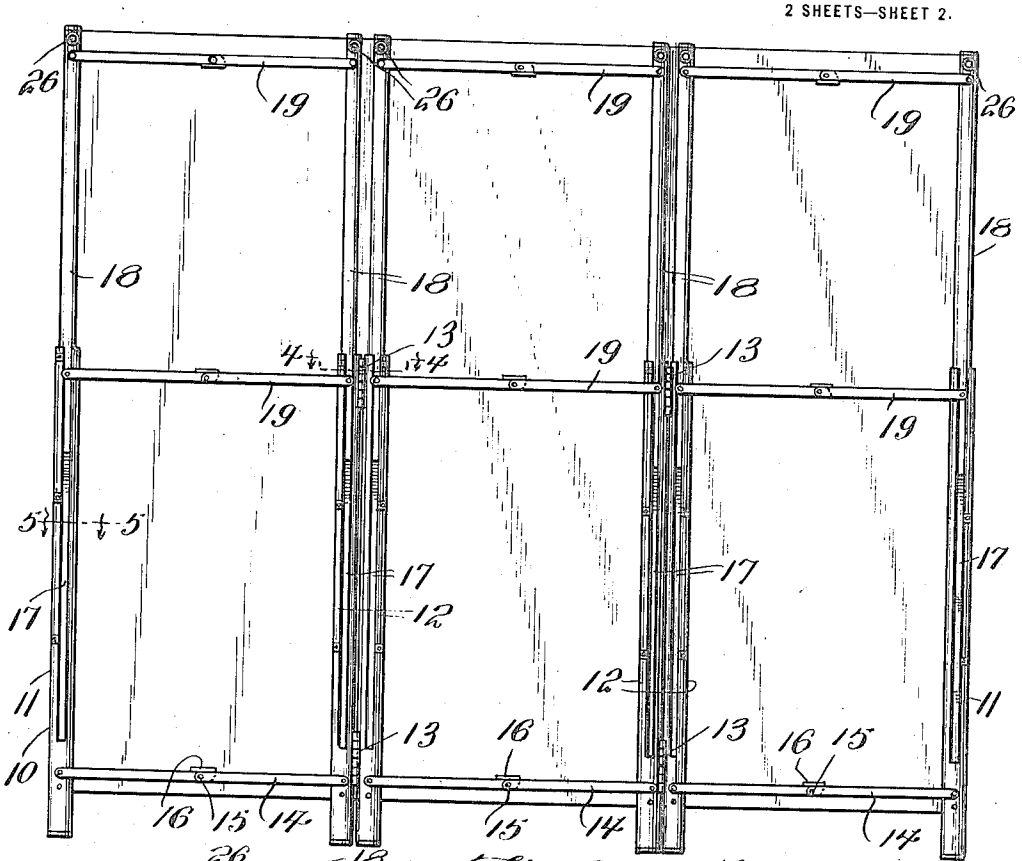


Fig. 2.

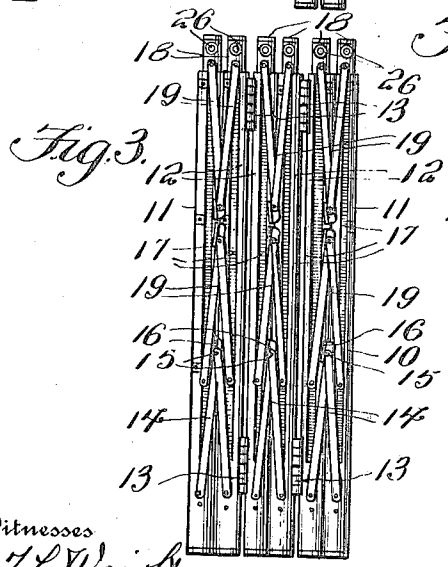


Fig. 3.

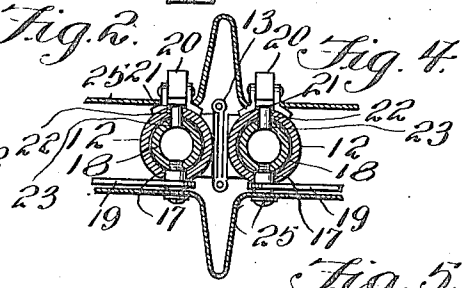


Fig. 4.

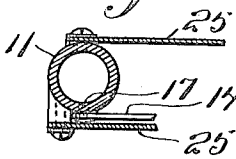


Fig. 5.

Witnesses

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SCREEN.

1,238,646. Specification of Letters Patent. Patented Aug. 28, 1917.

Application filed April 13, 1915. Serial No. 21,085.

To all whom it may concern:

Be it known that I, JOSEPH A. DENNIS, a citizen of the United States, residing at Ilwaco, in the county of Pacific and State of Washington, have invented new and useful Improvements in Screens, of which the following is a specification.

An object of the invention is to provide a screen for use in a bed room or the like and which is adapted to screen off or partition a portion of a room or an article of furniture from the remainder of the room, the screen being of a collapsible or foldable nature so as to form a compact package when not in use and when it is desired to store the same away.

The invention contemplates, among other features, the provision of a screen which can be constructed to present an ornamental and effective appearance and which will be of a substantial height when unfolded but which provides for the folding of a portion of the body of the screen within another portion thereof and a hinging of the parts so that the entire screen can be folded into a compact package and stored away when it is not desired to use the same.

In the further disclosure of the invention reference is to be had to the accompanying drawings, constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which:

Figure 1 is a perspective view of the screen showing the same in position for use;

Fig. 2 is a view of the screen flattened out, with a side of the screen removed;

Fig. 3 is a vertical sectional view taken on the line 3—3 in Fig. 2;

Fig. 4 is a horizontal sectional view taken on the line 4—4 in Fig. 2;

Fig. 5 is a horizontal sectional view taken on the line 5—5 in Fig. 2;

Fig. 6 is an end view of the screen when folded; and

Fig. 7 is a fragmentary longitudinal sectional view taken through one of the uprights when the screen is folded.

Referring more particularly to the views, I provide a frame 10 consisting of end uprights and intermediate pairs of uprights 12, the intermediate pairs of uprights being spaced apart a suitable distance, with the uprights in each pair hinged together by double hinges 13 to permit of swinging the uprights in each pair in either direction. A plurality of pairs of arms 14 have pivotal connection with the end uprights and one of the uprights in each pair of the intermediate uprights, said arms being connected at the lower ends of said uprights, with the inner ends of the arms in each pair of arms pivotally connected by pins 15 and one of the arms in each pair of pivotally connected arms provided with a lateral flange 16 adapted to bear against an edge of the other arm in each pair of arms when the arms are in relatively open position to limit the opening movement of the arms so that when the arms are in open position the arms in each pair will be in alinement, said arms in each pair being relatively foldable upwardly, as will be seen by referring to the views, with the upward folding of the arms causing the end uprights to move toward the intermediate uprights and the pairs of intermediate uprights to move toward each other, this being a part of the folding of the screen.

The end uprights and intermediate uprights are each of a somewhat tubular construction and are formed with longitudinal slots 17 communicating with the interior of the uprights, and mounted to slide in said intermediate and end uprights are auxiliary uprights 18 which can be pulled outwardly and upwardly over the end and intermediate uprights as shown. The auxiliary uprights are also provided with pivotally connected pairs of arms 19 the same as the arms 14 and similarly connected, and the upward movement of the auxiliary uprights upon the end and intermediate uprights is limited by a spring actuated locking member 20 including a locking pin 21, with the locking pin 21 passing through an opening 22 in each upright and adapted to extend into an opening 23 in each auxiliary upright, one of the locking members 20 being provided on each end and intermediate upright so that when the auxiliary uprights are slid outwardly and upwardly from the intermediate and end uprights their upward movement will be limited by the pins of the locking members engaging in the openings 23 of the auxiliary uprights. So also when the auxiliary uprights are telescoped into the end and intermediate uprights, openings 24 in the upper ends of the auxiliary uprights are adapted to receive the pins 21 of the locking members to limit the downward movements of the

auxiliary uprights and hold the same against wabbling within the end and intermediate uprights.

Secured to the end and intermediate uprights on both sides thereof are facings 25 of cloth or the like, with glove clasps 26 on the ends of the auxiliary uprights and the upper edges of the facings whereby, when the auxiliary uprights are raised upwardly from the main and end uprights, the facing will also extend upwardly so that when the screen is in open position it will appear as if the uprights were rigid throughout their length and will rigidly support the facings so that they will present a neat and effective appearance and be held taut over the frame.

When it is desired to store the screen away it will be clearly seen that the auxiliary uprights can be slid into the end and intermediate uprights, the slots in the end and intermediate uprights being provided to permit of the sliding movement of the auxiliary uprights not being hampered by the pairs of arms carried by the auxiliary uprights, and it will be seen that there is sufficient slack left in the facings 25 at the points where the facings connect with the pairs of intermediate uprights to permit of swinging the intermediate uprights in each pair upon one another in either direction so that the screen can be arranged to have its three or more parts angularly arranged, thus holding the screen in an upright position so that it will form a partition to screen off a portion of a room or an article of furniture.

From the foregoing description it will be seen that the screen described, when in use, will appear as the usual screen, but which, in fact, permits of reducing the screen one-half its size and then folding the same so that it can be packed away in a compact bundle and take up very little room.

Having thus described my invention, I claim:

1. A screen comprising a frame consisting of end and intermediate uprights, with the intermediate uprights pivoted to swing upon each other, auxiliary uprights slidable in the end and intermediate uprights and adapted to be extended relatively to said end and intermediate uprights, facings carried by said end and intermediate uprights and having their upper edges connected with said auxiliary uprights, arms connecting said end and intermediate uprights and said auxiliary uprights whereby said end and intermediate uprights and said auxiliary uprights can be held in spaced relation without impairing the swinging movement of the intermediate uprights, and spring-actuated locking members for locking the auxiliary uprights in raised or lowered position.

2. A screen comprising a frame consisting of end and intermediate uprights each being formed with openings, with the intermediate uprights pivoted to swing upon each other, auxiliary uprights slidable in the end and intermediate uprights and adapted to be extended relatively to said end and intermediate uprights and formed with a series of openings adapted to register with the openings of the end and intermediate uprights, facings carried by said end and intermediate uprights and having their upper edges connected with said auxiliary uprights, arms connecting said end and intermediate uprights and said auxiliary uprights, whereby said end and intermediate uprights and said auxiliary uprights can be held in spaced relation without impairing the swinging movement to the intermediate uprights, and pivotally mounted spring actuated locking members adapted to engage in the opening of the end and intermediate and auxiliary uprights for locking the auxiliary uprights in raised or lowered position.

3. A screen comprising a frame consisting of end and intermediate uprights each being formed with openings, with the intermediate uprights pivoted to swing upon each other, auxiliary uprights slidable in the end and intermediate uprights and adapted to be extended relatively to said end and intermediate uprights and formed with a series of openings adapted to register with the openings of the end and intermediate uprights, facings carried by said end and intermediate uprights and having their upper edges connected with said auxiliary uprights, arms connecting said end and intermediate uprights and said auxiliary uprights, whereby said end and intermediate uprights and said auxiliary uprights can be held in spaced relation without impairing the swinging movement to the intermediate uprights, and spring actuated locking members pivotally mounted on each of the intermediate and end uprights including pins, the pins of the locking members adapted to extend through the openings of the intermediate end and auxiliary uprights for locking the auxiliary uprights in raised or lowered position.

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

JOSEPH A. DENNIS.

Witnesses:
E. HOEL,
HENRY KAYLER.