

Aug. 6, 1935.

N. E. STEPHENS

2,010,501

VISUALIZER

Filed May 26, 1934

2 Sheets-Sheet 1

Fig. 1

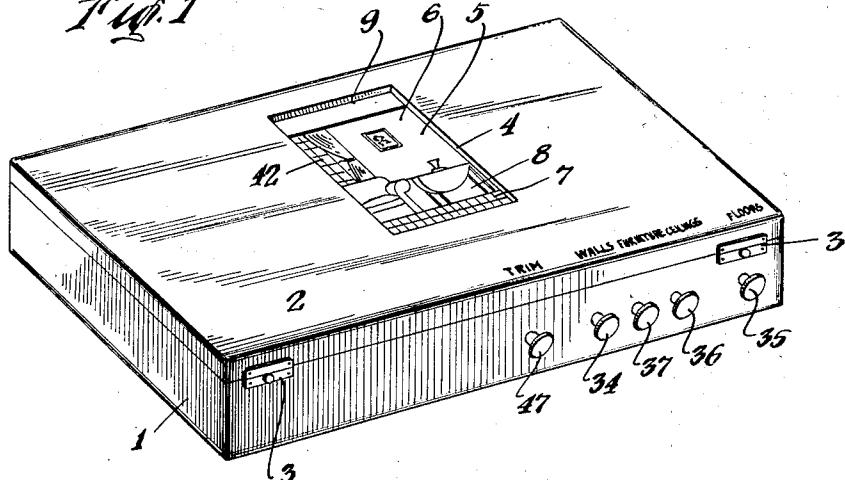
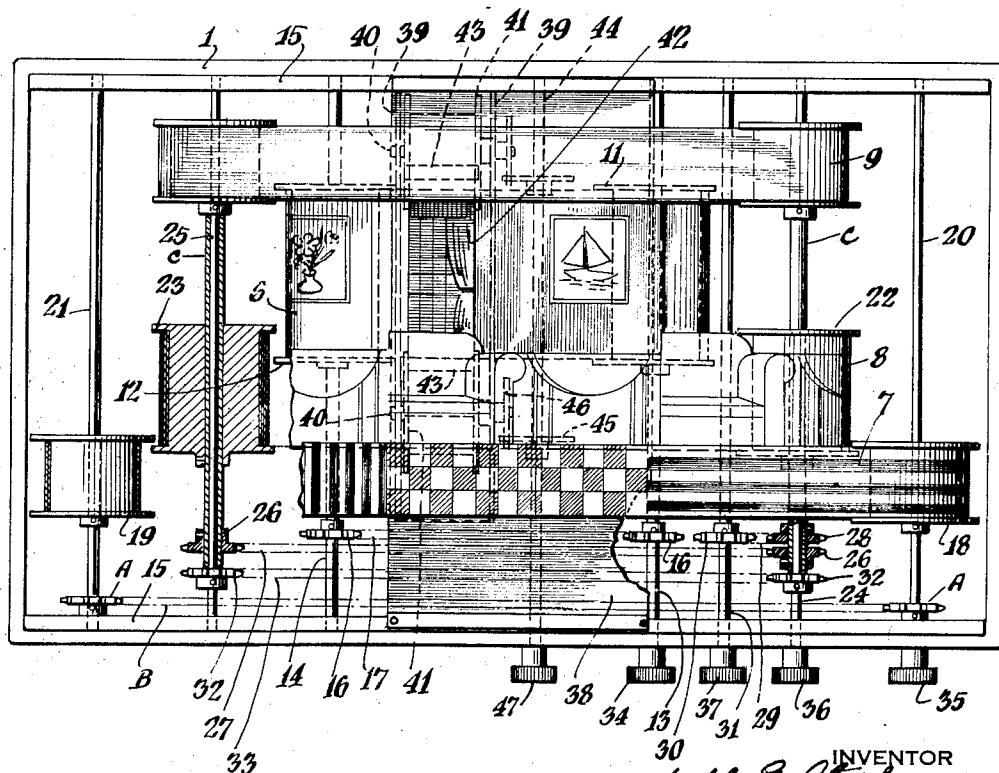


Fig. 2



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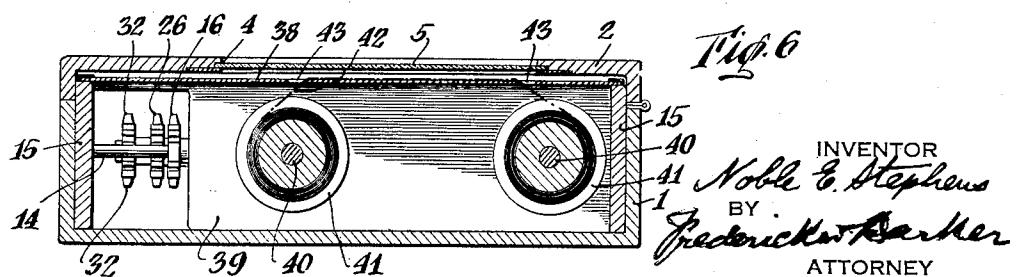
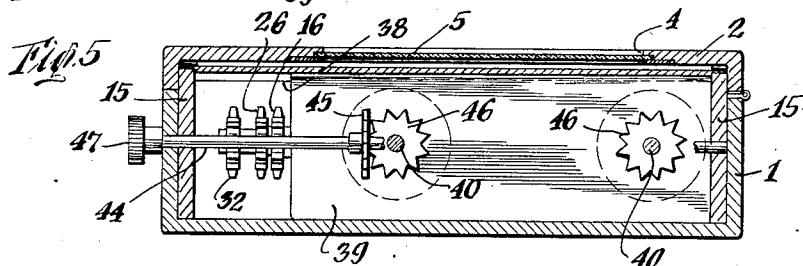
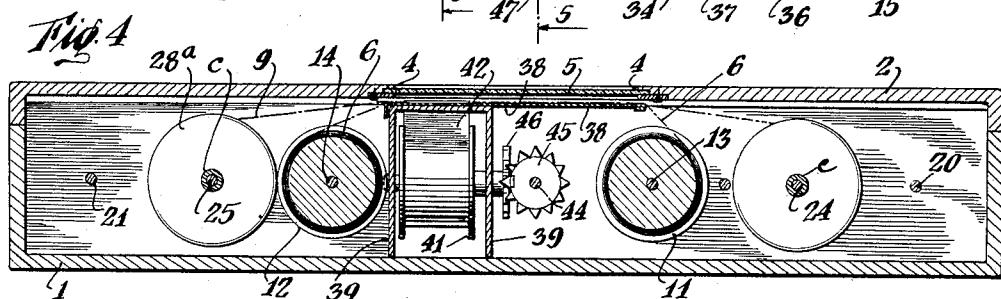
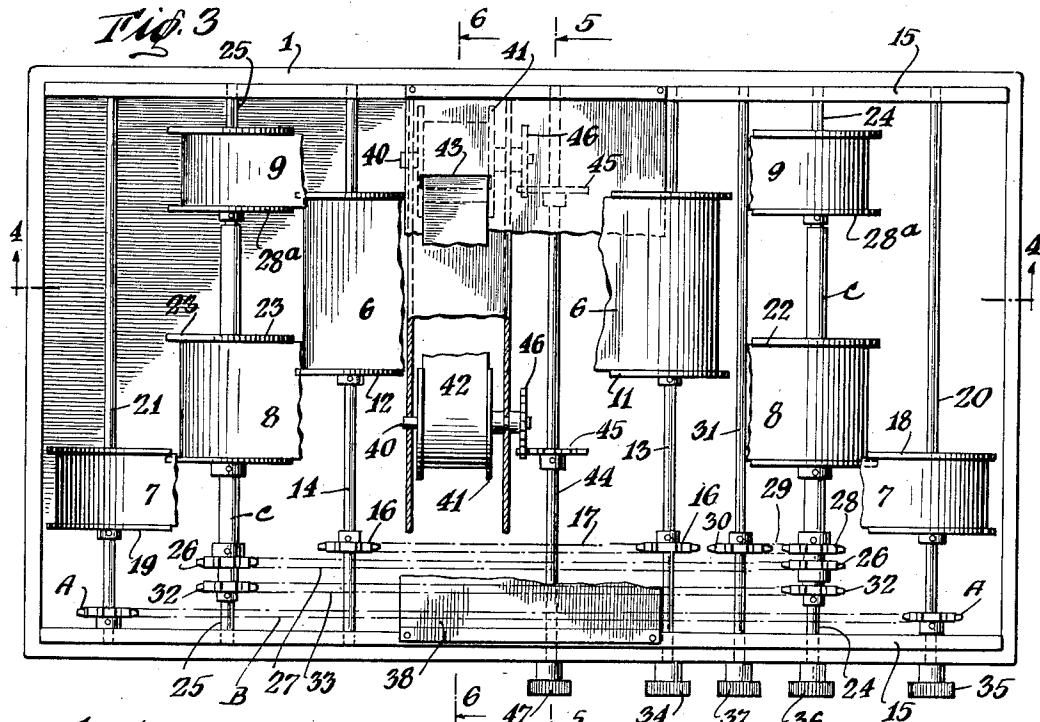
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2 Sheets-Sheet 2



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VISUALIZER

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4. Claims. (Cl. 40—95)

This invention relates to apparatus designed to present to the vision varying groups of harmonizing or contrasting colored or other representations in pictorial manner, for the purpose of aiding the user in the selection of a suitable decorative ensemble, whether it be for a room interior, a house exterior, or for any other purpose whatsoever.

For such purpose my improvement comprises a casing having in its cover a transparent portion to expose a selected group of colored, pictorial representations borne by respective strips which are each shiftable separately and bear a number of representations of the same class, but of different color, shade or tint, in order that separate groups composed of selected representations from each strip may be exposed to view for selective appraisement.

My invention includes the provision of spaced pairs of parallel shafts mounted in the casing front and rear walls and carrying spools to which the representation bearing strips are windingly connected, rotating means being provided for one shaft of each pair, and each pair of shafts having drive connecting means so that the strip may be shifted in either direction.

Also my invention includes the provision of one or more representation bearing strips mounted on spaced apart spools whose axes are perpendicular to the axes of the previously mentioned spools and which are equally provided with rotating means and means for driving them in either direction.

Still further my invention includes the provision of knobs or handles which are attached to portions of the respective shafts for one set of the spools that project through the front wall of the casing for the manual operation of the spools and hence of the strips.

Also the casing is provided with descriptive wording, displayed thereon in proximity to the respective handles, to designate the character of the representations borne by the respective strips that are operable by the handles.

Other features and advantages of my invention will hereinafter appear.

In the drawings:—

Figure 1 is a perspective view of my improved visualizing apparatus.

Fig. 2 is a top plan view of the same, with the cover removed.

Fig. 3 is a view similar to that of Fig. 2, partly in horizontal section, and the representation strips broken away to expose the operative parts.

Fig. 4 is a section taken on the line 4—4 of Fig. 3.

Fig. 5 is a section taken on the line 5—5 of Fig. 3, and

Fig. 6 is a section taken on the line 6—6 of Fig. 3.

In said views let 1 indicate a box or container which, in Figs. 1, 4, 5 and 6 is shown as provided with a cover 2 that may be hinged thereto and is provided with fastening means 3.

Also the cover 2 is shown as provided with a cut-out 4 that may be fitted with a glass or other transparent closure 5 for the inspection of an assembled group of pictorial representations presented thereat by the movable strips.

Some of the strips are shiftable from side to side within the casing, and these strips are respectively denoted by the reference numerals 6, 7, 8, 9. Another strip hereinafter described, is shiftable between the front and back of the casing.

The strip 6, which in the example, illustrated in the drawings, bears a series of color or other representations suitable for a wall covering, is carried by the spools 11, 12 that are disposed, in spaced relation, at opposite sides of the cut-out 4, to present in succession arrested wall representations at an intermediate portion of said cut-out.

The spools 11, 12 are respectively mounted on shafts 13, 14 that are journaled in bearing members 15 secured respectively to the front and rear walls of the casing, inside said walls. Each of the shafts 13, 14 carries a sprocket wheel 16, said sprockets being connected as by a chain 17, whereby the motion of one shaft is communicated to the other, and thus the strip may be shifted in either direction at will.

Also adapted for exposure through the cut-out is the strip 7 which bears a series of color or other representations suitable for a floor covering, this strip being disposed for exposure near the forward portion of the cut-out, and being carried by a pair of spaced apart spools 18, 19 that are mounted, respectively, on shafts 20, 21, which shafts are journaled in the bearing members 15. The shafts 20, 21 each carry a sprocket A and these sprockets are connected by a chain B.

Also adapted for exposure through the cut-out is the strip 8 which bears a series of color or other representations suitable for furniture, this strip being disposed for exposure, through the cut-out, between the strips 6 and 7, and being carried by a pair of spools 22, 23 that are mounted, respectively, on sleeves C that are revoluble on shafts 24.

24, 25, which shafts are also journalled in the bearing members 15.

The sleeves C each carry a sprocket 26, which sprockets are connected by a chain 27, and one of

5 said sleeves C also carries a sprocket 28 which engages by a chain 29 with a sprocket 30 that is mounted on a shaft 31, disposed in adjacent parallelism with sleeve C that said shaft 31 and sleeve C may have mutual rotation, the shaft 31 being 10 journalled in bearings 15.

The strip 9, which bears a series of colored or other representations suitable for depicting a ceiling covering, is disposed for exposure, through the cut-out, above the strip 6, and is carried by a 15 pair of spools 28^a that are mounted, respectively, on the shafts 24, 25, to be thereby capable of rotation by said shafts independently of sleeves C, the shafts 24, 25 having their own sprockets 32 which are connected by a chain 33.

20 The shafts 13, 20, and 24 each extend out through the front wall of the casing and there are provided respectively with knobs or handles 34, 35 and 36, whereby they and their strip bearing spools may be manipulated. The shaft 31, 25 which controls the operation of sleeves C and their strip 8, also projects through the casing front wall and is provided an operating knob or handle 37.

As will be apparent from the foregoing disclosure the strips 6, 7, 8 and 9 may be selectively shifted, independently of one another, for the purpose of assembling at the cut-out desired representative groups showing wall, floor and ceiling coverings, and room furniture, all either harmoniously or contrastingly related.

Means for supporting the aforementioned strips 6, 7, 8 and 9 are provided in the form of a sheet 38 of suitable stiff material that is placed transversely across the casing and may be secured to the upper edges of the bearing members 15, said sheet 38 thus serving as a guide to localize the strips and hold them closely up against the cut-out transparent covering 5.

Also, an inverted U-shaped or yoke-like bracket 45 is mounted within the casing, beneath sheet 38, its legs 39 forming the bearings for a pair of shafts 40 that carry spools 41 in spaced relation, said spools engaging a strip 42 which bears a series of colored or other representations of wood trim, curtains and the like, arranged to be disclosed through the cut-out, at one side thereof, to complete room interior groupings. This strip 42, by reason of its side location and height, is adapted to be shifted between the back and front or top 50 and bottom of the cut-out, for which purpose the axes of the shafts 40 lie perpendicularly to the axes of the previously named shafts. In order that the strip 42 may be brought over the upper surface of guide sheet 38, for exposure through the cut-out, slots 43 are provided through said guide sheet, and the strip is threaded through said slots in assembling the apparatus.

A shaft 44, whose ends are journalled respectively in the bearing members 15 is provided with 65 spur or star wheels 45 which mesh with spur or star wheels 46 carried by the shafts 40, and by these means the rotation of shaft 44 is communicated to the spools 41 for the desired shifting of the strip 42. One end of shaft 44 projects 70 through the front wall of the casing and is there provided with a manipulating knob or handle 47.

The knobs or handles 47, 34, 31, 36 and 35 are disposed in a row outside the front of the casing, and the shiftable strips which they are intended to 75 control are designated upon the cover in positions

respectively above said knobs or handles, the designations in the example illustrated being the words Trim—Walls—Furniture—Ceilings—Floors.

The user, therefore, having turned knob or handle 34, for example, to expose a desired color or other representation for the wall, may then, in succession shift the other strips to assemble a group of harmonizing or artistically contrasting representations from the remaining strips. 10

Obviously, instead of exposing through the cut-out groups of color or other representations for a room interior, my improved visualizing apparatus may be employed for creating similar groupings of building exteriors as well as other scenic adaptations. 15

Variations within the spirit and scope of my invention are equally comprehended by the foregoing disclosure.

I claim:

1. An apparatus of the class described comprising a casing having a cut-out therein, a number of spaced apart spools revolvably mounted in said casing, strips located in adjacent parallel zones that each bear a series of different representations, 25 another strip bearing a series of different representations located in a zone that extends perpendicularly with said first named strips, one of said strips adapted to pass beneath the overlapping inner edges of the adjacent companion strips, 30 all said strips being borne respectively by said pairs of spools and adapted to be shifted in opposite directions, to expose selected representations on said strips in group form at said cut-out, means for co-ordinating the spool movements of 35 each pair, and control means for a spool of each pair.

2. An apparatus of the class described comprising a casing having a cut-out portion therein, sets of spaced apart spools revolvably mounted in said casing, a pair of strips each bearing a series of different representations, mounted for parallel movement upon said sets of spools, a single set of spaced apart spools horizontally aligned and arranged between the first mentioned sets of spaced apart spools, a strip bearing a series of different representations mounted for movement upon said single set of spools, the outer edges thereof adapted to pass beneath the overlapping inner edges of the first mentioned pair of movable strips, 50 all said strips adapted to be shifted in opposite directions, to expose selected representation on said strips in group form at said cut-out, means for co-ordinating the spool movements of each pair and control means for a spool of each pair. 55

3. An apparatus of the class described comprising a casing having a cut-out therein, sets of spaced apart spools revolvably mounted in said casing, a pair of strips each bearing a series of different representations, mounted for parallel movement upon said sets of spools, a single set of spaced apart spools horizontally aligned and arranged between the first mentioned sets of spaced apart spools, a strip bearing a series of different representations mounted for movement upon said single set of spools, the outer edges thereof adapted to pass beneath the overlapping inner edges of the first mentioned pair of movable strips, an additional pair of spaced apart spools aligned horizontally with and externally of the first mentioned sets of spaced apart spools, a strip bearing a series of different representations mounted for movement upon the last mentioned pair of spools one of the edges thereof adapted to overlap the adjacent edge of one of the first mentioned pair 70 75

5 of strips, all said strips adapted to be shifted in opposite directions, to expose selected representations on said strips in group form at said cut-out, means for co-ordinating the spool movements of each pair and control means for a spool of each pair.

10 4. An apparatus of the class described comprising a casing having a cut-out therein, sets of spaced apart spools revolvably mounted in said casing, a pair of strips each bearing a series of different representations, mounted for movement upon said sets of spools, a single set of spaced apart spools horizontally alined and arranged between the first mentioned sets of spaced apart spools, a strip bearing a series of different representations mounted for movement upon said single set of spools, the outer edges thereof adapted to pass beneath the overlapping inner

edges of the first mentioned pair of movable strips, an additional pair of spaced apart spools alined horizontally with and externally of the first mentioned sets of spaced apart spools, a strip bearing a series of different representations mounted for movement upon the last mentioned pair of spools one of the edges thereof adapted to overlap the adjacent edge of one of the first mentioned pair of strips, another strip bearing a series of different representations located in a zone that extends perpendicularly with and at one side of said first named strips, all said strips adapted to be shifted in opposite directions, to expose selected representations on said strips in group form at said cut-out, means for co-ordinating the spool movements of each pair and control means for a spool of each pair. 15

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