July 4, 1950 E. S. MIX 2,513,886

STRAP CONSTRUCTION

Filed Aug. 2, 1946 2 Sheets-Sheet 1

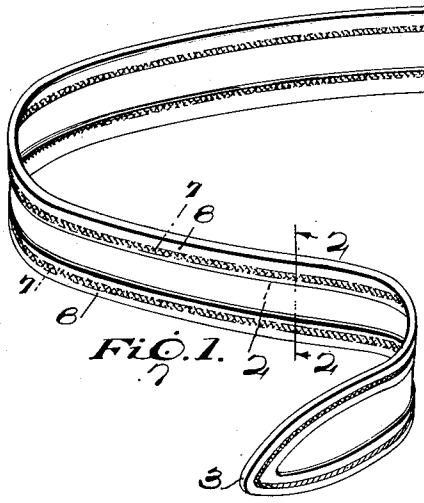


FIG. 1.

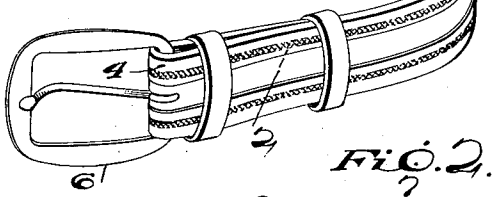
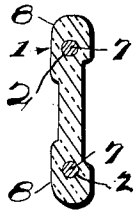


FIG. 2.



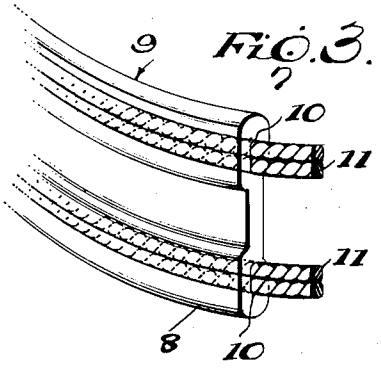


FIG. 3.

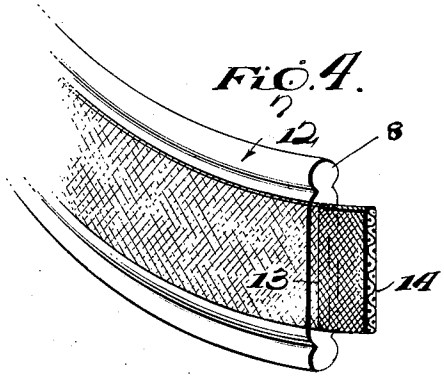


FIG. 4.

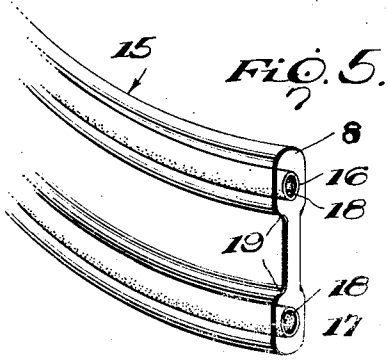


FIG. 5.

Inventor

Edwin S. Mix

By Shoemaker & Mattare

Attorneys

July 4, 1950 E. S. MIX 2,513,886

STRAP CONSTRUCTION

Filed Aug. 2, 1946 2 Sheets-Sheet 2

Fig. 6.

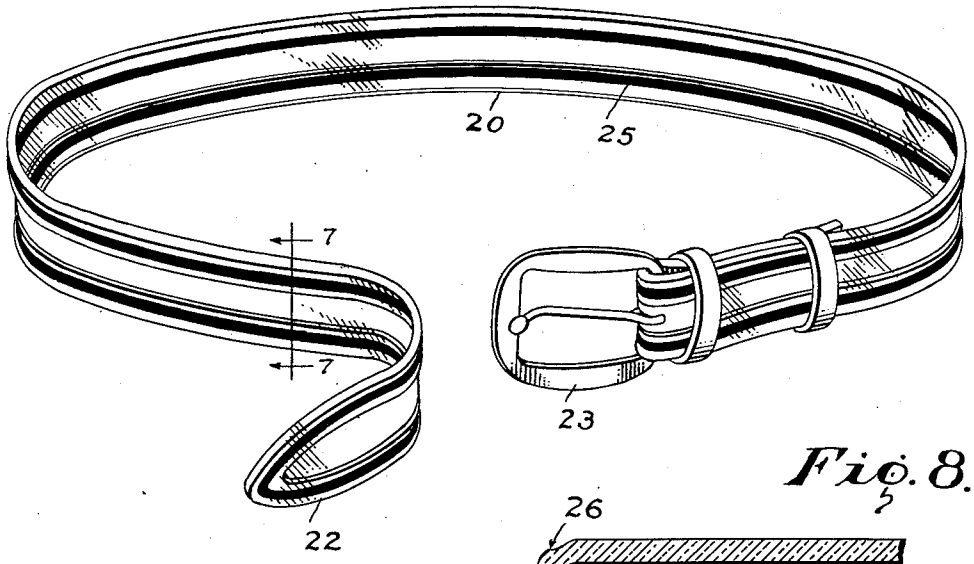


Fig. 8.

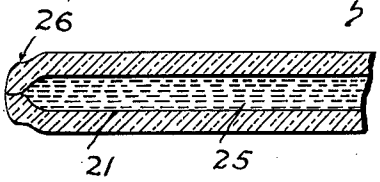


Fig. 7.

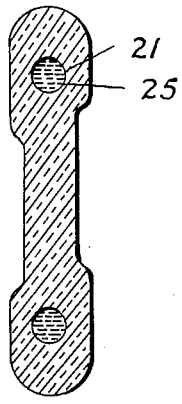


Fig. 9.

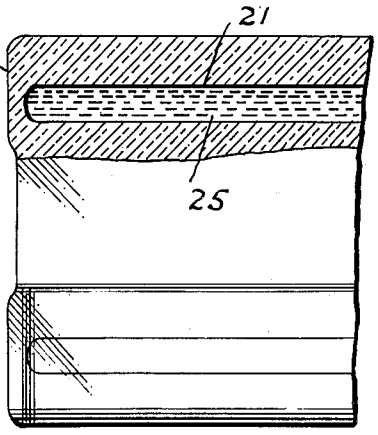
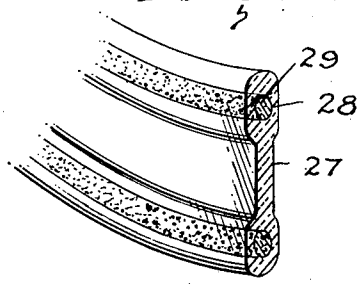


Fig. 10.



Inventor
Edwin S. Mix

Shoemaker & Mattare

Attorneys

Patented July 4, 1950 2,513,886

UNITED STATES PATENT OFFICE

2,513,886

STRAP CONSTRUCTION

Edwin S. Mix, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York

Application August 2, 1946, Serial No. 687,864

11 Claims. (Cl. 2—338)

1

This invention relates to improvements in straps for belts, braces, garters and similar articles.

An object of the invention is to provide an improved strap that will present a highly attractive and ornamental appearance, that will be of simple, strong, durable construction and can be produced at comparatively small cost.

The invention, with other objects and advantages thereof, and the particular constructions, combinations and arrangements of parts comprising the same will be understood from the hereinafter contained detailed description, when considered in connection with the accompanying drawings, forming part thereof, and illustrating several embodiments of the invention.

In the drawings:

Fig. 1 is a perspective view of a belt constructed in accordance with the present invention;

Fig. 2 is a section on the line 2—2 of Fig. 1;

Fig. 3 is a perspective view of a modified construction of strap;

Fig. 4 is a perspective view of a section of another modified construction of strap;

Fig. 5 is a perspective view of a section of still another modification.

Fig. 6 is a perspective view of another modified form of belt;

Fig. 7 is a section on the line 7—7 of Fig. 6;

Fig. 8 is a detail sectional view, on an enlarged scale, of the inner end portion of the belt showing the interior channels sealed at the ends thereof;

Fig. 9 is a detail part section and part side elevation, on an enlarged scale, of the inner end of the belt;

Fig. 10 is a perspective view of a section of a further modification.

The invention comprehends a strap for personal wear formed of transparent or translucent plastic material and having an interior channel or tunnel to receive a decorative medium, this special construction providing for a wide selection in the form, arrangement and kind of decorative medium employed to obtain different ornamental effects, and for enclosing the decorative medium within the body of the strap. The tunnels or channels may be sealed at the ends thereof by heat-fusing or in any other suitable way. The plastic body of the strap may be provided with one or more of the tunnels or interior channels, the tunnels or interior channels may be of different sizes and shapes in cross section, and many different kinds of decorative material may be used. Colored fabric cords of different weaves,

2

leathers, flat colored braids or ribbons, metal chains, metal coiled springs, fillings of colored plastics and liquid coloring, either opaque or translucent, may be employed in the tunnels or channels. Combinations of cord, liquid and striping may be used, and the walls of the tunnels or interior channels may be coated with coloring material.

Referring to a detailed description of the particular embodiment of the invention illustrated in Figs. 1 and 2 of the drawings, 1 designates a belt constructed from a strap formed of plastic transparent or translucent material and having an interior channel or tunnel 2, the strap being provided at one end with the usual tapered end portion 3 and having its other end portion 4 folded back upon itself in the conventional way and suitably secured as by heat-fusing or in any other manner to provide a connecting loop for the belt buckle 6. The interior channel or tunnel 2 extends adjacent the side marginal portions of the belt and the marginal portion of the tapered end portion 3 thereof. Within the interior channel, which is shown circular in cross section, is a decorative medium 7 of a color contrasting with the transparent or translucent body of the belt. In this instance, the decorative medium takes the form of a colored fabric cord. The cord is shown as formed of woven fabric. In place of woven fabric, leather and other kinds of fabric may be used for the cord.

The decorative cord 7 extends substantially throughout the length of the interior channel 2. The cord is drawn taut in the channel and has its ends securely fastened in any suitable way, for example, by heat-fusing, to the body of the belt at the folded end portion 4 thereof, the cord, in addition to serving as decorative means, also functioning in an important way to limit the stretch or extension of the belt. As shown in Fig. 1 of the drawings, the belt 1 is formed with thickened bead-like portions 8 extending around the side marginal portions and the marginal portion of the end portion 3 of the belt. These thickened portions act to magnify the diameter of the decorative cord 7 and enhance the ornamental effect when the strap is viewed from the edges thereof.

The modified construction of strap, illustrated in Fig. 3 of the drawings is the same as that shown in Figs. 1 and 2 except that in place of the decorative fabric cord a metal chain is used as the decorative medium. In this view, 9 designates the plastic transparent body of the strap, 10 the continuous interior channel, and 11 the ornamental chain within the channel.

The modified construction of strap shown in Fig. 4 of the drawings, like the construction shown in Figs. 1 to 3, comprises a plastic transparent body with a longitudinally extending interior channel and a decorative medium within the channel, but, in this instance, the channel is disposed centrally of the sides of the strap. The channel is of substantial width and rectangular shape in cross section. In this view, 12 designates the plastic transparent body of the strap, 13 the interior channel and 14 the decorative medium within the channel. In this particular embodiment of the invention, a flat woven ribbon is used as the decorative medium, the ribbon being of a color contrasting with the transparent or translucent body of the strap and presenting a central band of color through the body.

Referring to the modified construction illustrated in Fig. 5 of the drawing, in this view 15 designates the plastic transparent body of the strap provided with interior channels 16 and 17 extending along the side marginal portions thereof, the channels being circular in cross section. In this particular embodiment of the invention, the inner walls of the channels 16 and 17 are coated with a coloring material 18 of a color contrasting with the transparent or translucent body of the strap. In addition to the colored inner walls of the channels, stripes 19 of colored plastic material or other suitable coloring are applied to the outer side faces of the plastic body of the strap.

The modified form of belt shown in Figs. 6, 7, 8 and 9 is the same as that illustrated in Figs. 1 and 2 of the drawings, except that instead of the decorative cord, a decorative liquid filling is sealed into the interior channel of the plastic transparent body. In these views, 20 designates the belt constructed from a strap formed of plastic transparent or translucent material and having an interior channel 21. The belt is provided at one end with the usual tapered end portion 22 and has its other end folded back upon itself and secured as by heat fusing or in any other suitable way to provide a connecting loop for the belt buckle 23. The interior channel 21, as in the construction shown in Fig. 1, extends adjacent the side marginal portions of the belt and along the marginal portion of the tapered end portion 22 thereof. 25 designates the decorative liquid filling within the interior channel 21, the liquid filling being introduced within the channel and the ends of the channel at the inner end 26 of the strap being then closed by heat fusing or in any other suitable way. Any suitable liquid may be employed for the decorative liquid filling, the liquid filling being colored to contrast with the plastic transparent body of the belt, and being either opaque or translucent.

The modified construction shown in Fig. 10 of the drawings is the same as that illustrated in Figs. 1 and 2 except that a decorative filling of colored plastic is used instead of a decorative fabric cord in the interior channel of the transparent plastic body of the strap. In this view, 27 designates the plastic transparent body of the belt, 28 the continuous interior channel, and 29 the decorative filling of colored plastic. The colored plastic may be either opaque or translucent.

It will be appreciated that, in all forms of the present invention, there is a plastic strap or body of uneven or irregular shape exteriorly and having one or more longitudinally disposed channels containing an ornamental medium contrasting with the color of the plastic strap, which latter is further ornamented by enlarged rounded longitudinal beads at the edges of the strap along with the exterior open channels 30 and 31 formed in the front and rear faces of the body of the strap between the longitudinal edges of the strap or between the beaded longitudinal edges of the strap and whether the interior channel or channels are disposed in the beaded edges or between the beaded edges of the strap.

It will be noted that the particular construction and arrangement of parts hereinbefore set forth provides a strap that has a highly attractive, ornamental appearance. It provides for obtaining many different designs and ornamental effects and the construction is of a simple, strong and durable nature, the decorative medium being enclosed within the body of the strap.

What I claim is:

1. A strap comprising a plastic transparent body having thickened bead-like side marginal portions and having a continuous interior channel extending longitudinally along each of said side marginal portions, and a decorative medium within said channel of a color contrasting with the transparent body and enclosed by the same.

2. A belt formed from a strap comprising a plastic transparent body having a tapered end portion and continuous channel therein extending along the side marginal portions of the body and the marginal portion of said tapered end portion, said channel being entirely interiorly of the plastic body and a decorative medium within said channel of a color contrasting with the transparent body and enclosed by said body.

3. A belt formed from a strap comprising a plastic transparent body having a tapered end portion and a continuous interior channel extending along the side marginal portions of the body and the marginal portion of said tapered end portion, and a fabric cord element within said channel substantially coextensive therewith, and of a color contrasting with the transparent body, said cord element having its ends secured to the other end portion of the strap and serving to limit the stretch of the body, the cord element being enclosed within the body of the belt.

4. A belt formed from a strap comprising a plastic transparent body and a continuous interior channel extending along its side marginal portions and the marginal portion of one end thereof, and a flexible cord or chain element within said channel having its ends fastened to the body of the belt near the other end portion of the belt and serving to limit the longitudinal stretch of the belt said element being enclosed within the plastic body of the belt.

5. A belt formed from a strap comprising a plastic body having a continuous interior channel extending along its side marginal portions and the marginal portion of one end thereof, and a flexible member within said channel having its ends fastened to the body of the belt near the other end portion of the belt and serving to limit the longitudinal stretch of the belt, said element being enclosed within the plastic body of the belt.

6. A belt formed from a strap comprising a plastic body having a longitudinally extending channel therein interiorly thereof, said body having a continuous unbroken wall completely surrounding said channel, and a flexible member within said channel enclosed by said body, said flexible member having its ends fastened to the body and serving to limit the longitudinal stretch thereof.

7. A strap for personal wear comprising a one-

piece transparent body having different spaced thicknesses extending longitudinally of the body substantially throughout the length thereof and also having an interior channel extending throughout the length of the body parallel with and between the edges of the body and of a cross sectional diameter less than the thickness of any portion of the body and forming the channel with an unbroken wall spaced from the exterior surface of the body, and a decorative medium within said channel extending throughout the length thereof and being of a color contrasting with the transparent body and enclosed wholly within the body.

8. A strap for personal wear comprising a one-piece transparent body having different spaced thicknesses extending longitudinally of the body throughout the length thereof and also having an interior channel extending throughout the length thereof parallel with and between the edges of the body, and a decorative medium within said channel of a color contrasting with the transparent body and enclosed by the body.

9. A strap for personal wear comprising a one-piece transparent plastic body having smooth, rounded enlargements at the longitudinal edges thereof extending laterally beyond the front and rear faces of the intermediate longitudinal portion of the body and also having a longitudinal channel formed wholly within the body, and a decorative medium within said channel of a color contrasting with the transparent body.

10. An ornamental belt for personal wear comprising a transparent plastic body having a tapered end portion and an interior channel extending longitudinally of the body and into said tapered end portion of the body, and a decorative medium within said channel extending throughout the length thereof.

11. A belt for personal wear, comprising a transparent, elongated strap having continuous, longitudinally extending beads at the longitudinal edges thereof, said beads extending laterally on opposite sides of the strap throughout the length thereof, the thickness of the strap between said beads being thinner in cross sectional diameter than the cross sectional diameter of the beaded edges of the strap and forming open channels on opposite outer faces of the belt between the beads, said strap having a longitudinal channel located within the strap and extending parallel with said beaded edges and said open channels, and a decorative medium confined within said channel and of a color contrasting with said body.

EDWIN S. MIX.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
D. 138,617	Lichtenstein	Aug. 22, 1944
734,167	Gaisman	July 21, 1903
1,598,154	Sachs	Aug. 31, 1926
1,977,787	Wodtyke	Oct. 23, 1934
2,166,819	Miller	July 18, 1939
2,254,462	Weiser	Sept. 2, 1941
2,290,685	Hickok	July 21, 1942
2,384,224	Williams	Sept. 4, 1945
2,392,761	Pease	Jan. 8, 1946

FOREIGN PATENTS

Number	Country	Date
253,385	Great Britain	June 17, 1926