Dec. 30, 1930. C. E. DANSEREAU 1,787,405

CHAIN

Filed March 19, 1930

Fig. 1.

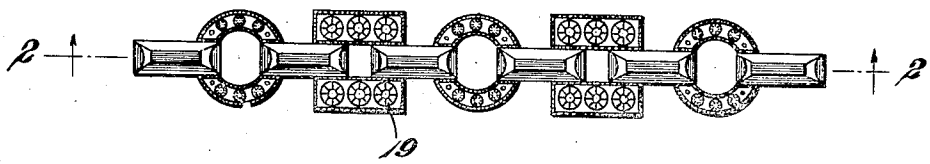


Fig. 2.

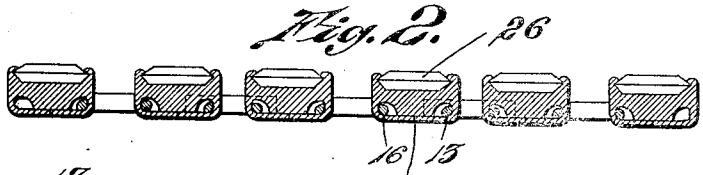


Fig. 3.

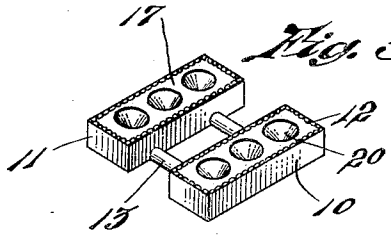


Fig. 4.

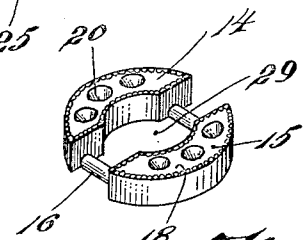


Fig. 5.

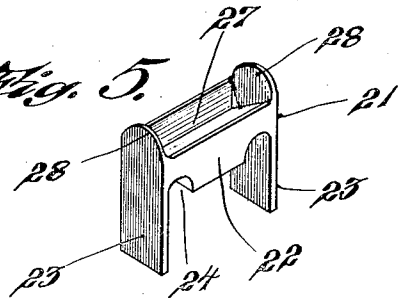
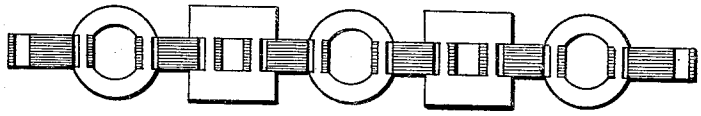


Fig. 6.



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UNITED STATES PATENT OFFICE

CHARLES E. DANSEREAU, OF WARWICK DOWNS, RHODE ISLAND, ASSIGNOR TO D. & S. JEWELRY CO., OF PROVIDENCE, RHODE ISLAND, A FIRM COMPOSED OF ERNEST DE ROBBIO AND JOHN SILVERMAN

CHAIN

Application filed March 19, 1930. Serial No. 437,050.

This invention relates to an ornamental chain adapted primarily for use in the jewelry art as a bracelet, necklace, or the like; and has for its object to provide a chain which will have a maximum surface adapted to receive ornamentation such as stones set thereinto or other suitable embellishment.

A further object of this invention is to provide a plurality of block links of two different types, one to hingedly connect to the other so as to provide a maximum flexibility to ensure against breaking of the parts and loss of the bracelet or chain.

A still further object of this invention is to provide a construction which will eliminate the use of rivets, separate pins, screws or other parts for connecting the bracelets together by providing the hinging relation of the parts integral with the two types of links used.

With these and other objects and advantageous features in view, the invention consists of a novel arrangement of parts more fully disclosed in the detailed description following, in conjunction with the accompanying drawings, and more particularly set forth in the appended claims.

In the drawings:

Fig. 1 is a top plan view of the bracelet constructed in accordance with this invention;

Fig. 2 is a sectional view thereof on the line 2—2 of Figure 1;

Figs. 3 and 4 are perspective views of one type of link used, shown in Figure 4, a different shape from that in Figure 3;

Fig. 5 is a perspective view of the other type of link which may be used in series; and

Fig. 6 is a bottom view with the arms of the links of the type shown in Figure 5 before being folded into final position.

It is found in the construction of ornamental chains of the type which receive gems set therein or other ornamentation on their surface desirable to provide a construction of a sufficient thickness to receive the depth of the gems without protrusion on the back and one which may be varying in appearance with respect to shape and general effect; and also to provide a bracelet or chain which will have a maximum flexibility to prevent breaking of the parts, and in order to construct such a chain, I have provided two different types of links, one of which has spaced sections with a narrow connection part, and the other of which is positioned between these sections with arms to embrace these narrow connecting parts and pivotally join the links together; and the following is a detailed description of the present embodiment of this invention illustrating the preferred means by which these advantageous results may be accomplished.

With reference to the drawings, 10 designates a block link unit which is formed with two sections 11 and 12 held apart by integral connecting portions 13 longitudinally spaced in the link with reference to the chain. The portion 13 is integral with sections 11 and 12, the whole unit 10 being formed from stock by suitable cutting and swaging operations. In Figure 4 I have illustrated a somewhat modified form of the same type of link which has sections 14 and 15 connected by integral portions 16 and is formed similarly to the link shown in Figure 3. Each of these links is provided with a maximum exposed surface 17 and 18 for the reception of a suitable ornamentation, such as gems 19 mounted in socket settings 20 provided in its top surface. The links of Figures 3 and 4 illustrate two of a variety of shapes which may be formed, each of which are provided with spaced sections with suitable connecting and spacing portions such as 13 and 16 therebetween.

The other type of link which is used in this construction is shown at 21 in Figure 5 and consists of a solid block 22 provided with arms 23 and recesses 24 to receive the portions 13 or 16 of the links of the types shown in Figures 3 and 4, the arms embracing the portions 13 and 16, as illustrated in Figure 2 and the arms being folded toward each other into end abutting relation, as illustrated at 25 in Figure 2, and in contact with the solid block body 22 of this link, in which position they may be soldered if desired to strengthen the construction. This type of link is also provided with an extended surface for ornamentation, which ornamentation I have here

illustrated as a gem 26 set within the elongated groove 27 in the top surface thereof and held in position by the fingers 28 being bent over the stone for securing purposes.

From the construction above illustrated, I may obtain a variety of appearances of ornamental chain. The solid block link units present a relatively narrow top surface for ornamentation, while the block links having an opening 29 therein are of many times the width of the link 21, here shown as three times, and are formed in sections each having an ornamental surface at each side of and in staggered relation to the surfaces of the link 21. I also have chosen to vary the shape of the links by alternating open rectangular and generally circular block links in order to relieve any monotony of appearance which otherwise might be obtained.

While I have described certain construction forms which embody the principles of my invention, it is obvious that other desired changes in arrangement may be made within the spirit and the scope of the invention as defined in the appended claims.

I claim:

1. An ornamental chain comprising a plurality of solid block links having parallel sides and a transverse bottom recess at each end thereof, and an arm depending from each end and foldable over the adjacent recess, and a plurality of block link units formed of two spaced links connected by parallel pivot bars, the spacing being substantially the width of the solid block links, the adjacent sides of the spaced links being parallel and the said bars being inset from the edges of the spaced links, the solid block links being mounted between the spaced links with the foldable arms folded about the adjacent bars of the spaced link units with the ends of the arms abutting, the inset of said bars bringing the parallel sides of the solid links into substantial contact with the parallel sides of the spaced links, whereby the links are maintained in staggered alignment.

2. An ornamental chain comprising a plurality of solid block links having parallel sides and a transverse bottom recess at each end thereof, and an arm depending from each end and foldable over the adjacent recess, and a plurality of block link units formed of two spaced links connected by parallel pivot bars, the spacing being substantially the width of the solid block links, the adjacent sides of the spaced links being parallel and the said bars being inset from the edges of the spaced links, the solid block links being mounted between the spaced links with the foldable arms folded about the adjacent posts of the spaced link units with the ends of the arms abutting, all the links having gem receiving recesses on the upper faces thereof, and the inset of said bars bringing the parallel sides of the solid links into substantial contact with the parallel sides of the spaced links, whereby the links are maintained in staggered alignment.

3. An ornamental chain comprising a plurality of solid block links having parallel sides, an arm depending from each end of each of said links, a plurality of block link units formed of two spaced links connected by parallel pivot bars, the spacing being substantially the width of the solid block links, the said bars having their innermost edges inset from the edges of the spaced link units and the adjacent sides of the spaced link units being parallel, the solid block links being mounted between the spaced link units with the foldable arms about the adjacent bars of the spaced link units, said solid links and spaced link units being of substantially the same thickness along their parallel surfaces said thickness being sufficient to provide bearing surfaces between the contacting spaced link units and solid links and the inset edges of said bars bringing the parallel sides of the solid links into substantial contact with the parallel sides of the spaced link units whereby the links are supported and maintained in staggered alignment.

In testimony whereof I affix my signature.

CHARLES E. DANSEREAU.