May 22, 1928. 1,670,940

C. SCHRAYSSHUEN

CHAIN

Filed Sept. 24, 1927

Fig. 1.



Fig. 2.

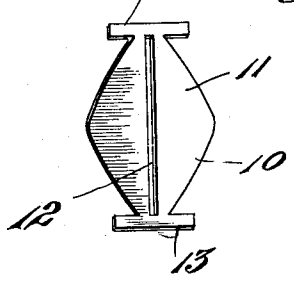
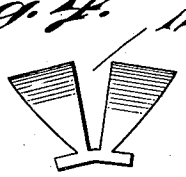


Fig. 4.



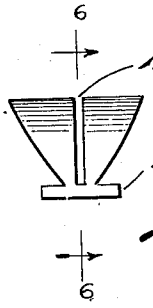
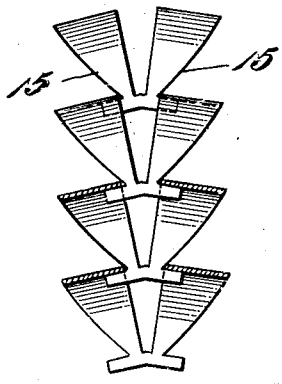


Fig. 3.

Fig. 5.



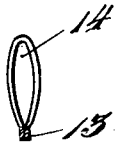


Fig. 6.

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Patented May 22, 1928. 1,670,940

UNITED STATES PATENT OFFICE.

CARL SCHRAYSSHUEN, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO SPEIDEL CHAIN CO., OF PROVIDENCE, RHODE ISLAND, A FIRM COMPOSED OF FREDERIC SPEIDEL AND EUGEN SPEIDEL, BOTH OF PFORZHEIM, GERMANY.

CHAIN.

Application filed September 24, 1927. Serial No. 221,846.

This invention relates to an improved construction of ornamental chain; and has for its object to provide in such a chain a plurality of connected links, each comprising a body portion formed of sheet stock with a pivot arm at each end, the body being folded upon itself forming a loop at one end and positioning the arms of the opposite ends to function as a single pivot by which the links are connected together by being pivoted in the loop of the next adjacent link.

A further object of the invention is to provide the body portion with a lengthwise slot before being folded upon itself forming an opening through which the laterally-extending pivot arms of the body of the next adjacent link may extend to pivotally connect the links together.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings:

Fig. 1 is a front elevation illustrating a portion of my improved form of chain as being connected at one end to an ear clamp and its opposite end to an ornament to serve as an ear ornament.

Fig. 2 is a perspective view showing the blank as cut from sheet stock and slotted longitudinally and having laterally extending pivot arms at either end thereof.

Fig. 3 shows the blank as folded upon itself positioning the two sets of pivot arms to function as a single pivot.

Fig. 4 shows the slotted portion as opened or spread to receive the pivot arms of the next adjacent link.

Fig. 5 shows a plurality of these links as pivotally connected together two of these links being in section.

Fig. 6 is an edge view of one of the links showing a loop formed at one end with its two sets of pivot arms positioned at its opposite end to function as a single pivot.

It is found in practice of advantage to form ornamental links which may be constructed by cutting a blank from sheet stock into ornamental form and folding the body portion of the blank upon itself and then pivotally connecting these so formed links together without solder to form a flexible, ornamental chain of inexpensive construction; and the following is a detailed description of the present embodiment of my invention and showing one form and arrangement of sheet metal links by which these advantageous results may be accomplished:

With reference to the drawings, 10 designates the link blank which is provided with a body portion 11 slotted as at 12 nearly the length thereof, the outline of the body of the blank being herein shown as somewhat of a diamond shape with a laterally-extending cross bar 13 forming a pair of pivot arms at either end thereof.

This blank is then folded upon itself at its middle portion bringing the cross bars 13 into position to register with each other and so jointly cooperate to perform the function of a single pivot, the blank at the fold forming an open loop as at 14, see Fig. 6, of a size and shape to receive the pivot of the next adjacent link to flexibly connect the links together.

In order to assemble the chain links together, it is only necessary to spread apart those portions of the link on either side of the slot 12 a little wider than is shown in Fig. 4 to receive the laterally-extending pivot arms 13 after which these portions are closed over the ends of the pivot arms into the position illustrated in Fig. 5 thereby pivotally and flexibly connecting the links together, the flaring edges 15 of the links directly above their pivot arms serving to prevent the links from a relative endwise movement after the pivot arms have entered the loops of the next adjacent links thereby pivotally connecting the links together to render the chain quite flexible and yet very strong and durable.

The chain is extremely simple and inexpensive to construct and assemble without the use of solder and may be formed very ornamental and attractive in appearance and adapted to be employed in the making of many forms of jewelry or other articles.

The foregoing description is directed solely towards the construction illustrated, but I desire it to be understood that I reserve the

privilege of resorting to all the mechanical changes to which the device is susceptible, the invention being defined and limited only by the terms of the appended claims.

I claim:

1. In a chain, a series of links each having a body portion formed of sheet stock folded upon itself and having a slot extending from a point near one end along one side through the fold and to a point near the other end to permit lateral spreading of the parts on each side of said slot and integral pivot arms extending laterally from one end of the link for engagement with the fold of stock of an adjacent link on opposite sides of said slot.

2. A chain comprising a series of links each formed from a generally diamond shaped blank with a slot extending across its corners but terminating short thereof and folded upon itself across its opposite corners, and integral pivot arms extending in opposite directions from the first mentioned corners and registering with each other in the folded position of the link to engage the fold of an adjacent link, said link being attached to the arms of the next link by lateral separation of the parts on each side of said slot.

In testimony whereof I affix my signature.

CARL SCHRAYSSHUEN.