Jan. 29, 1929. 1,700,533

I. E. JENNINGS

CONCRETE CHAIN

Filed Aug. 10, 1927

Fig. 1.

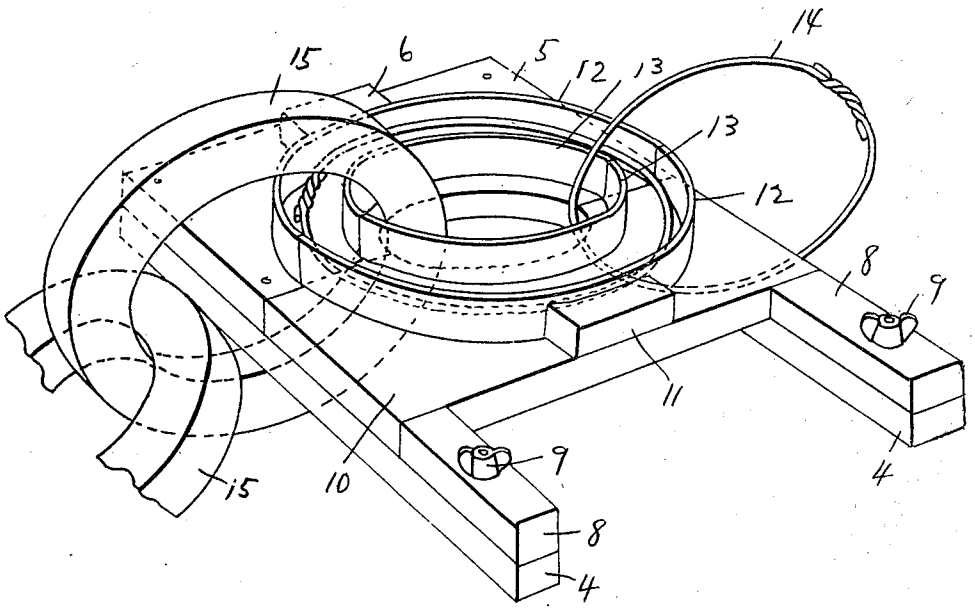
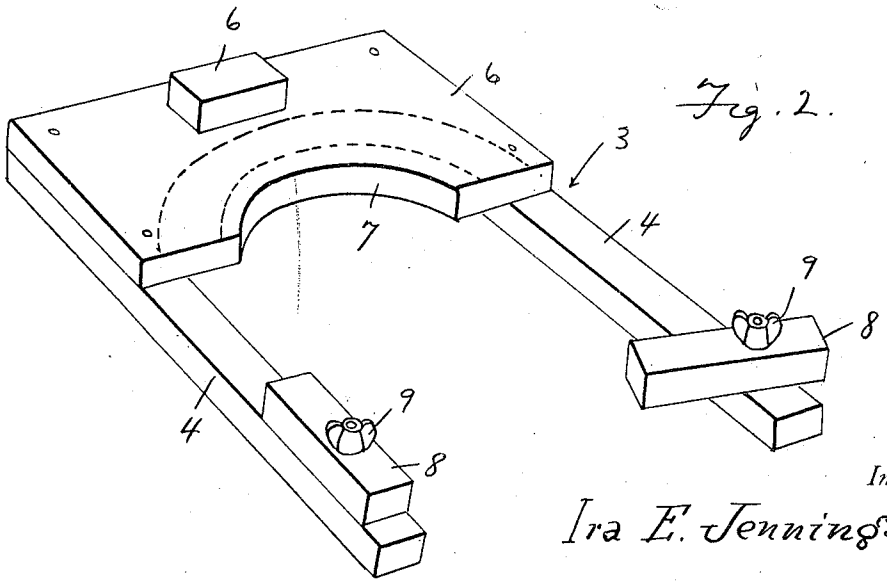


Fig. 2.



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Patented Jan. 29, 1929. 1,700,533

UNITED STATES PATENT OFFICE.

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CONCRETE CHAIN.

Application filed August 10, 1927. Serial No. 212,067.

This invention relates to an especially constructed flexible concrete chain for use in the construction of ornamental fences, the process for making the same embodying the utilization of a special mold to facilitate the manufacture.

My principal aim is to provide a concrete chain of this nature wherein a finished or complete link is provided having a reinforcing wire ring embedded therein, and wherein the reinforcing wire of an adjacent link is connected therewith and subsequently embedded in or covered with concrete to form a section link, whereby to connect the links of the chains together for free relative movement.

Another aim is to provide a knockdown mold, for making the chain links, and an especially designed supporting base which is constructed for permitting the chains to be literally tied together while the chain is in the making.

The particular details of the mold, as well as the aforesaid base, will become more readily apparent from the following description and drawings.

In the drawings:—

Figure 1 is a perspective view of a mold constructed in accordance with the present invention, showing the manner in which the chain is made.

Fig. 2 is a perspective view of the primary part of the base.

Referring now to the drawing by reference characters, it will be seen that the base 3 comprises a pair of longitudinal runners or rails 4 disposed longitudinally in spaced parallelism. Bridging one end of the rails is a rigidly mounted base plate or member 5 carrying an abutment forming block 6 on its top. The inner end of this plate is formed with a semi-circular notch, and it might be stated however, that the configuration of this notch may vary according to the differentiation in the shape of the chain link.

Mounted on the opposite end portions of the rails are turn buttons 8 connected by thumb nuts 9. Closely associated with the rigid plate 5 is a similar, but relatively movable plate 10. This plate 10 has its inner edge disposed in meeting contact with the corresponding edge of the plate 5. These also, are provided with a notch opposed to the notch 7, thus providing a circular hole at the center of the base.

It follows too, that the removable plate 10 is provided with a block 11 forming a complemental abutment. This removable plate 10 is held in place by the turn buttons when they are arranged as shown in Fig. 1.

The concrete form surrounds the openings formed in the base plate. This forms the knock-down construction, and it is composed of an outer ring. The ring is made of half sections, the outer half section being represented by the reference character 12, and the inner half sections are represented by the inner half sections 13.

These half sections are brought together in end to end relation as shown in Fig. 1, and confined between the abutment blocks 6 and 11.

With this arrangement, it is obvious that a reinforcing wire ring 14 is placed within the concrete form, whereby the form is filled and the concrete allowed to set for a sufficient length of time. Then the removable plate 10 is moved away from the complemental plate 5, and the sections in the form are knocked down in a customary manner, thus producing the concrete chainlink 15.

This is for making the first link. When making the second link, and succeeding links, the last link made is associated with the base and form as represented in Fig. 1, so that when the next link is produced in the form, it will be tied to the already made link, in an evident manner.

From this it will be observed that I have produced an exceptionally inexpensive device whereby concrete links and chains can be readily made for use in ornamental fence structure work. The construction of the device, as well as the method of producing the chains is quite obvious, for which reason, a more lengthy description is thought unnecessary.

Minor changes in shape, size, and rearrangement of parts coming within the field of invention claimed, may be resorted to if desired.

Having thus described my invention, what I claim as new is:—

A process for manufacturing flexible concrete chains for use in the construction of ornamental concrete fences, consisting in forming a complete link having a reinforcing wire embedded therein, interconnecting a separate reinforcing wire with the completed link, and then embedding said second reinforcing wire in concrete to provide a complemental link.

In testimony whereof I affix my signature.

IRA E. JENNINGS.