No. 733,393. PATENTED JULY 14, 1903.

C. HERON.

BELTING.

APPLICATION FILED JAN. 15, 1903.

NO MODEL.

Fig. 1.

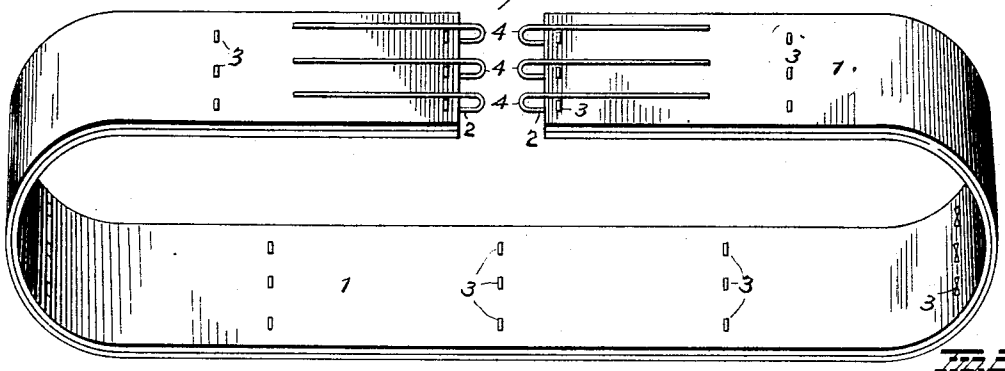


Fig. 2.

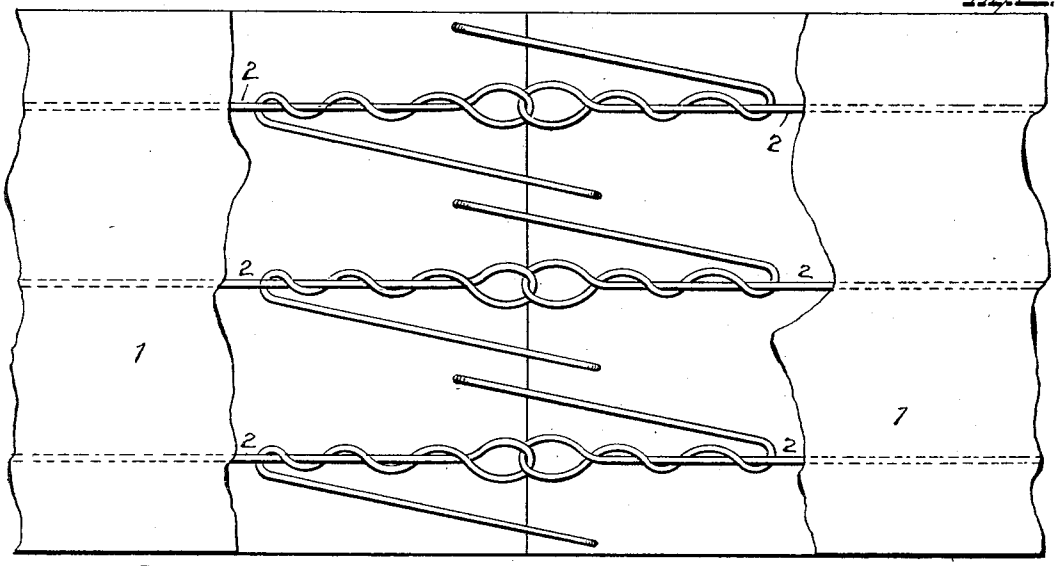


Fig. 5.

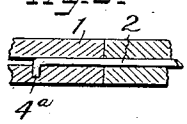
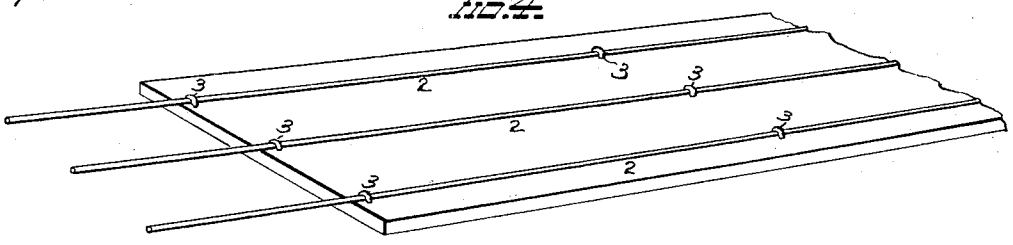


Fig. 3.



Fig. 4.



WITNESSES

E. Nottingham

G. F. Downing.

INVENTOR

C. Heron

By H. A. Seymour

Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 733,393. Patented July 14, 1903.

UNITED STATES PATENT OFFICE.

CHRISTOPHER HERON, OF GALENA, ILLINOIS, ASSIGNOR OF ONE-HALF TO HUGH F. GUNN, OF GALENA, ILLINOIS.

BELTING.

SPECIFICATION forming part of Letters Patent No. 733,393, dated July 14, 1903.

Application filed January 15, 1903. Serial No. 139,206. (No model.)

To all whom it may concern:

Be it known that I, CHRISTOPHER HERON, a resident of Galena, in the county of Jo Daviess and State of Illinois, have invented certain new and useful Improvements in Belting; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in belting, the object of the invention being to so construct a belt that it will not stretch and whose ends can be readily secured together without danger of disconnection; and with this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating my improvements. Fig. 2 is a plan view of a belt, flat. Fig. 3 is a view in cross-section, and Fig. 4 is a view of a modification. Fig. 5 is a sectional view showing the relation of the end of a wire to the strap.

1 represents my improved belt, which comprises two straps or sections of the same strap, located one on top of the other and having interposed longitudinal wires 2 between them. Any number of wires may be employed and are secured in place by staples 3, passed through both sections of the belt and upset to clench them in place. The ends of the wires 2 project beyond the ends of the belt and are bent into hook shape, as shown at 4, to permit the wires to be hooked or otherwise coupled or secured together, and thereby permit the ready connection of the ends of the belt. The wires are preferably coupled, as shown in Fig. 2, in which they are shown twisted together and located between the belt-sections, and the ends of the wires are bent at right angles and project into the belt, thus forming an inclosed coupling which cannot become worn by wear. By so constructing the belt, as shown at 4^a, it cannot stretch, due to the wires 2, which sustain the longitudinal strain thereon; but do not interfere with the frictional engagement of the belt with its pulleys, and consequent perfect operation.

Instead of constructing my improvements as above explained I might make the belt as shown in Fig. 4. In this form of my invention a single thickness of strap is employed, and the wires 2 are secured to one face thereof by staples 3, and with this form of my invention the ends of the wires are shaped to permit their ready coupling, the same as with the preferred form above set forth.

I might construct the belt of leather or other suitable material, and the wires may be flat or flat strips of metal may be employed, and other changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not confine myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A belt comprising a strap and longitudinal wires secured thereto, the ends of said wires projecting beyond the respective ends of the strap and twisted together.

2. A belt comprising two strap members disposed one upon the other, and a series of longitudinal wires secured between said strap members and projecting beyond the respective ends thereof, said wires being twisted together and the twisted portion disposed between said strap members.

3. A belt comprising two strap members disposed one upon the other, and longitudinal wires secured between said strap members and projecting beyond the respective ends thereof, the ends of said wires twisted together and the free extremities of the wires bent back past the meeting-point of the ends of the belt, the twisted portions of the wires and the free extremities of the wires inclosed between the strap members.

4. A belt comprising a strap and longitudinal wires secured thereto, the ends of said wires twisted together and the free extremities of the wires bent at right angles and made to engage the strap.

5. A belt comprising two strap members and longitudinal wires secured between them, the ends of said wires twisted together, the free extremities of the wires bent back forming arms extending beyond the meeting-point of the ends of the belt and bent to engage the belt, the twisted joint and said arms inclosed between the strap members.

In testimony whereof I have signed this specification in the presence of the subscribing witnesses.

CHRISTOPHER HERON.

Witnesses:
CHARLES L. RYAN,
H. F. GUNN,
F. C. LACLEDE.