

(No Model.)

J. SINCLAIR.

CHAIN PACKAGE AND METHOD OF PACKING CHAINS.

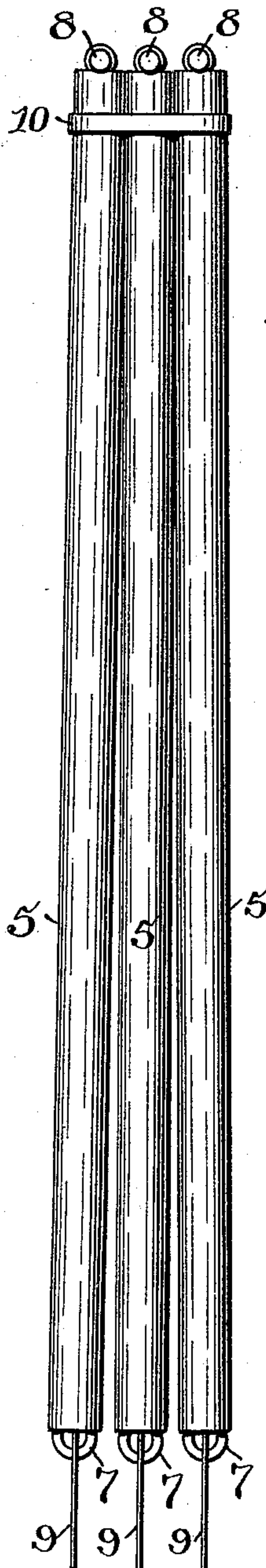
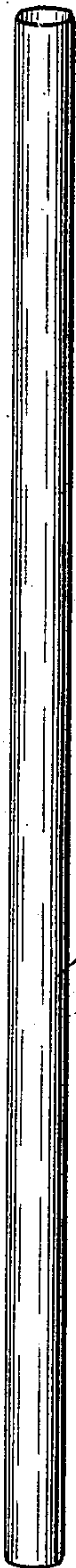
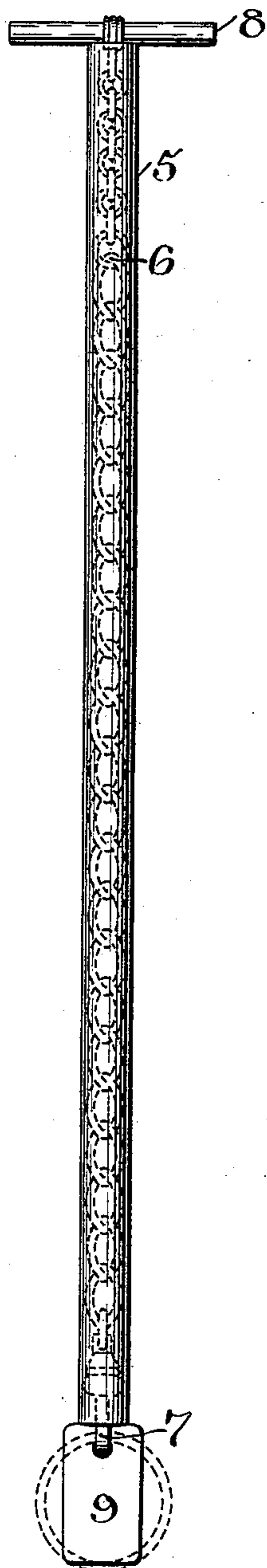
No. 538,629.

Patented Apr. 30, 1895.

Fig. 1.

Fig. 2.

Fig. 3.



WITNESSES:

Henry J. Miller
Chas. H. Luther Jr.

INVENTOR:

Julia Sinclair,
Joseph A. Miller & Co.,
Attys.

UNITED STATES PATENT OFFICE.

JUNIA SINCLAIR, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO AUGUSTUS
A. GREENE, OF SAME PLACE.

CHAIN-PACKAGE AND METHOD OF PACKING CHAINS.

SPECIFICATION forming part of Letters Patent No. 538,629, dated April 30, 1895.

Application filed September 17, 1894. Serial No. 523,192. (No model.)

To all whom it may concern:

Be it known that I, JUNIA SINCLAIR, of Providence, in the county of Providence and State of Rhode Island, have invented certain
5 new and useful Improvements in Chain-Packages and in the Method of Packing Chains; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying
10 drawings, forming part of this specification.

This invention has reference to improvements in chain packages and in the method of packing chains.

The object of the invention is so to pack
15 chains that each of them is more fully protected from abrasion than as heretofore packed.

Another object of the invention is to so pack chains that when a package of several chains is separated the separate chains will
20 each be fully protected.

The invention consists in forming a tube, or taking a tube already formed, of thin material which is adapted to protect the chain from wear and is about the length of a chain,
25 passing the swivel end of the chain down through the tube until the chain-bar rests across the top of the tube and then attaching a marking tag, of greater diameter than the tube, to the swivel.

30 The invention also consists in a chain package, consisting of flexible tubes in each of which a chain is inserted, and a band for securing the tubes together.

The invention likewise consists in such
35 other novel features in the method of packing chains and the combination of the packed chains, as may hereinafter be more fully described and pointed out in the claims.

Figure 1 represents a single chain and its
40 protecting-tube. Fig. 2 represents a view of the tube, Fig. 3 representing a group of the single-chain packages assembled and held together.

Similar numerals of reference designate corresponding parts throughout.

In carrying my invention into practice, to more fully protect each chain from abrasion and injury, I first take a tube 5 of a length

slightly less than the length of the chain 6, including the swivel 7, and of a diameter 50 slightly greater than that of the chain. This tube is formed of any flexible material, preferably of paper, which, in the ordinary use, will protect the chain from abrasive contact with other chains in the same packages, or
55 from injury from handling. The chain is passed down through the tube until the cross-bar 8 reaches the upper end thereof. A marking or price tag 9 is now secured to the swivel, which tag, being of a larger diameter than
60 that of the tube, prevents the withdrawal of the chain.

In making up the chains into a package of several I secure the tubes and chains together by means of a band 10 from which any single
65 chain package may be withdrawn without disturbing or rubbing against any other chain. In place of the tag 9 a ring 9' or any similar device having a larger diameter than that of
70 the tube 5, may be used to prevent the accidental withdrawal of the chain from the tube.

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

1. The method herein described for pack-
75 ing chains consisting in taking a flexible tube of a length slightly less than the length of the chain, including the swivel, passing the swivel end of the chain down through the tube until the cross-bar is brought across the upper end
80 of the same, and then securing a marking tag or ring, of greater diameter than the tube, to the swivel end of the chain.

2. A chain-package consisting of a chain having a cross-bar at one end, a flexible tube
85 surrounding that portion of the chain between the cross-bar and the swivel and adapted to be compressed against the chain, and a tag or ring secured to the swivel to prevent the withdrawal of the chain from the tube. 90

In witness whereof I have hereunto set my hand.

JUNIA SINCLAIR.

Witnesses:

HENRY J. MILLER,
M. F. BLIGH.