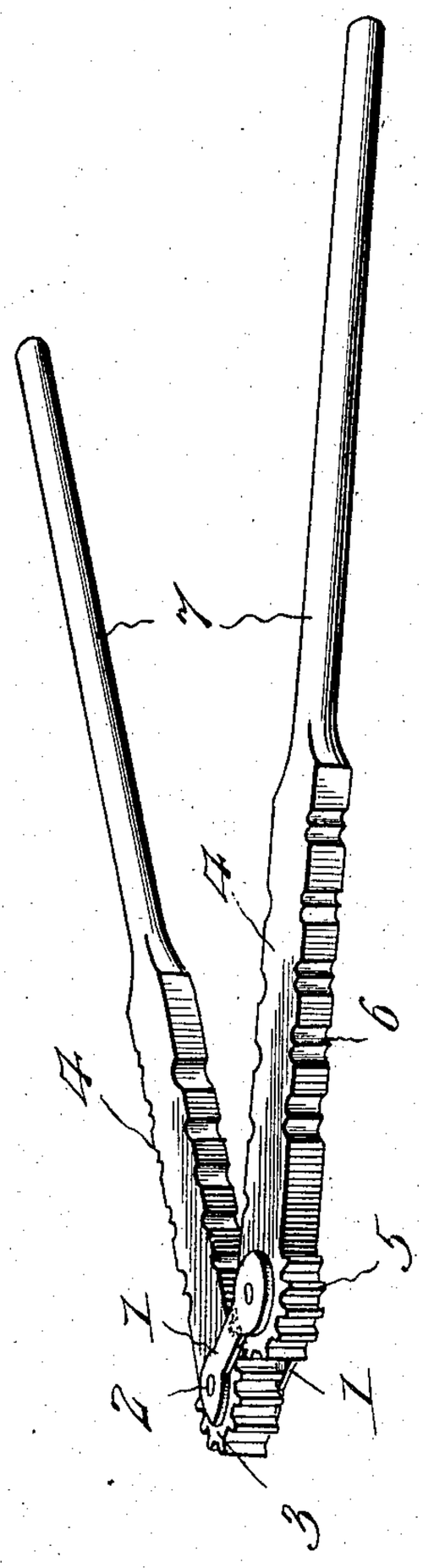
No. 751,352. PATENTED FEB. 2, 1904.

R. L. SEHON.

WIRE CLAMP.

APPLICATION FILED MAY 2. 1903.

NO MODEL.



Witnesses
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No. 751,352. Patented February 2, 1904.

UNITED STATES PATENT OFFICE.

ROBERT LEE SEHON, OF TAYLOR, TEXAS.

WIRE-CLAMP.

SPECIFICATION forming part of Letters Patent No. 751,352, dated February 2, 1904.

Application filed May 2, 1903. Serial No. 155,350. (No model.)

To all whom it may concern:

Be it known that I, ROBERT LEE SEHON, a citizen of the United States, residing at Taylor, in the county of Williamson and State of Texas, have invented new and useful Improvements in Wire-Clamps, of which the following is a specification.

My invention relates to new and useful improvements in wire connectors or clamps; and its object is to provide a tool of this character the pivoted ends of which are toothed and mesh so as to permit both members of the tool to move in unison when said tool is opened or closed.

A further object is to provide a reversible device of this character the recesses in the faces of which are adapted to automatically register. In devices of this character heretofore constructed considerable annoyance has been occasioned in view of the fact that the recesses within the working faces of the tools do not register when brought together and it is necessary to move the members of the device backward and forward until the proper recesses are brought into alinement.

My invention consists in so constructing a wire connector or clamp that the recessed members thereof will always remain in proper relation to each other, and to produce this result the pivoted ends of the members are provided with teeth which mesh and necessitate the simultaneous movement of the two members.

The invention consists in pivoting the toothed ends of the members of the clamp between links which serve to connect said ends together. Recesses are arranged within the outer and inner face of each member, and similar recesses will, as is obvious, register when the members of the device are brought together.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawing, which is a perspective view of the device.

Referring to the drawing by numerals of reference, 1 1 are links the ends of which are connected by pivoted pins 2, extending through the center of and forming bearings for the ends 3 of jaws 4. These ends are substantially semicircular in form, and teeth 5 are arranged upon the peripheries thereof and mesh, as shown. The outer and inner faces of jaws 4 are provided with recesses 6 of different sizes, and these recesesses are so located that when the jaws are brought together the corresponding recesses therein will register. It is obvious that the teeth 5 will guide the jaws together in such a manner as to bring the corresponding recesses together. Suitable handles 7 extend from the free ends of the jaws 4. It will be seen that by the use of this device wires of different sizes may be readily clamped between the jaws, and if the recesses upon the inner faces of the jaws are either too large or too small to receive the wire to be grasped it is merely necessary to swing arms 7 outward and reverse the tool to bring the outer recesses into position between the jaws. One set of recesses in the jaws is especially designed for use where a "sleeve" is employed in making joints of copper wire, and the other set is adapted to be used on iron wire or where no sleeves are employed. It will be seen that the device is extremely simple and inexpensive in construction, and by providing the toothed pivoted ends a reversible tool is produced which does not present the objectionable features found in tools of this character having pivoted ends which move independently of each other.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

Having thus fully described the invention, what is claimed as new is—

1. A device of the character described comprising reversible pivoted jaws, and meshing teeth upon said jaws whereby the jaws rotate in unison from or toward each other.

2. In a device of the character described, the combination with reversible jaws, each of which is pivoted at one end; of teeth extending from the pivoted ends of the jaws and adapted to cause simultaneous movement of

the jaws from or toward each other, and means for holding the pivoted ends of the jaws in operative relation.

3. The combination with links; of reversible jaws pivoted therebetween, teeth extending from the jaws, said teeth meshing to cause the jaws to move in unison from or toward each other.

4. In a device of the character described, the combination with jaws having recesses in opposite faces, and handles extending from the jaws; of links, pins connecting the links and forming pivots for the jaws, and meshing teeth extending from the jaws adjacent to the pivots thereof.

In testimony whereof I affix my signature in presence of two witnesses.

R. LEE SEHON.

Witnesses:
Mrs. F. E. Fielding,
Howard Bland.