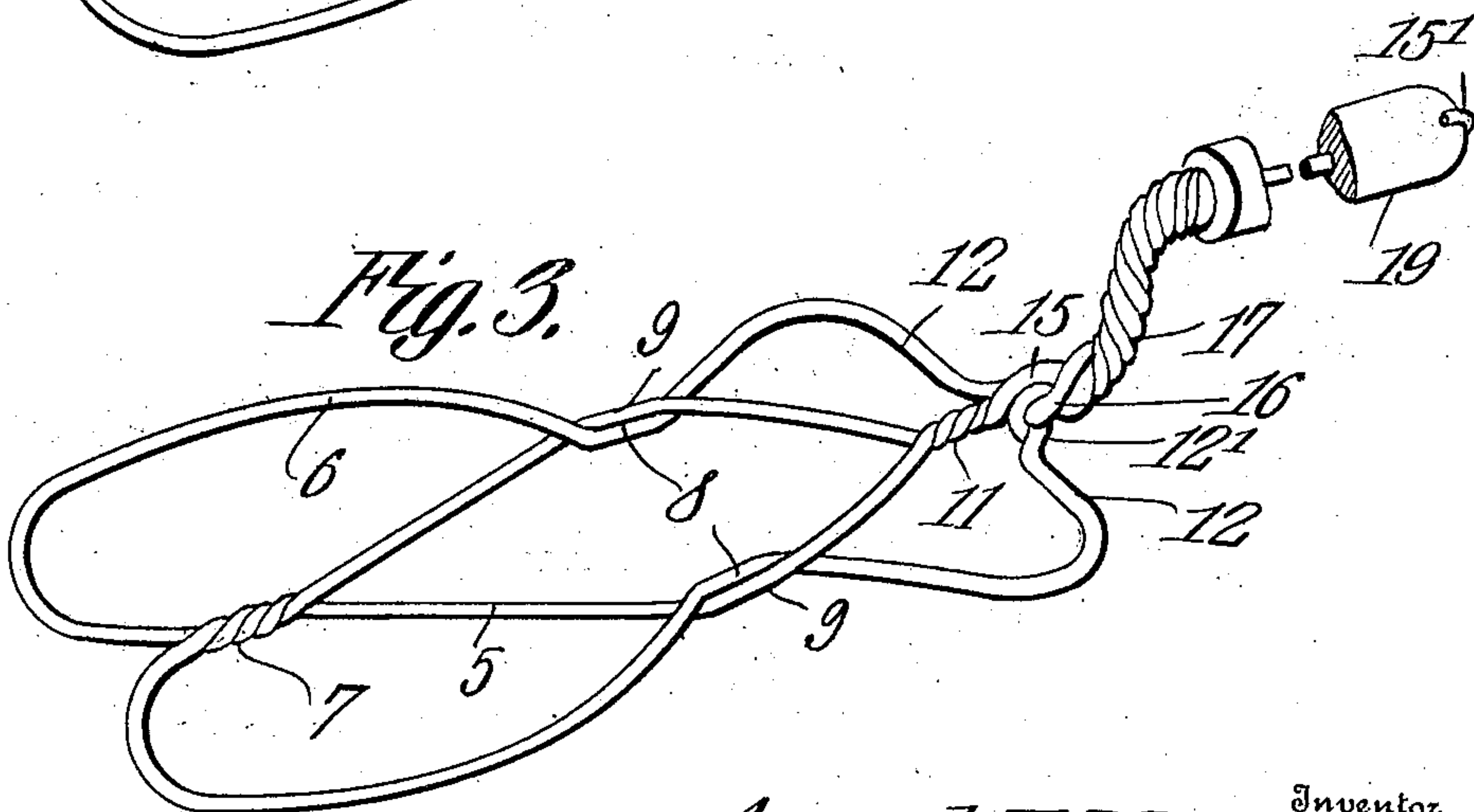
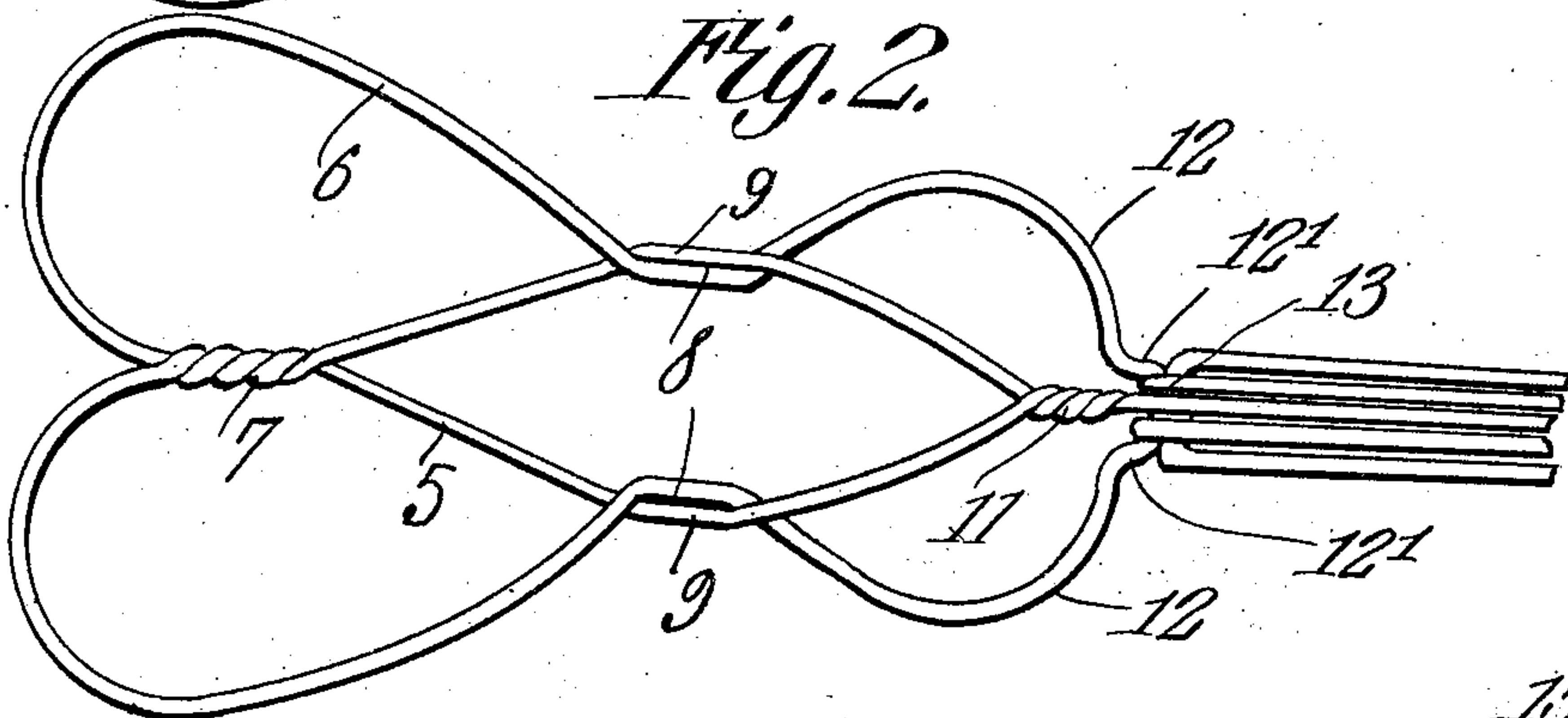
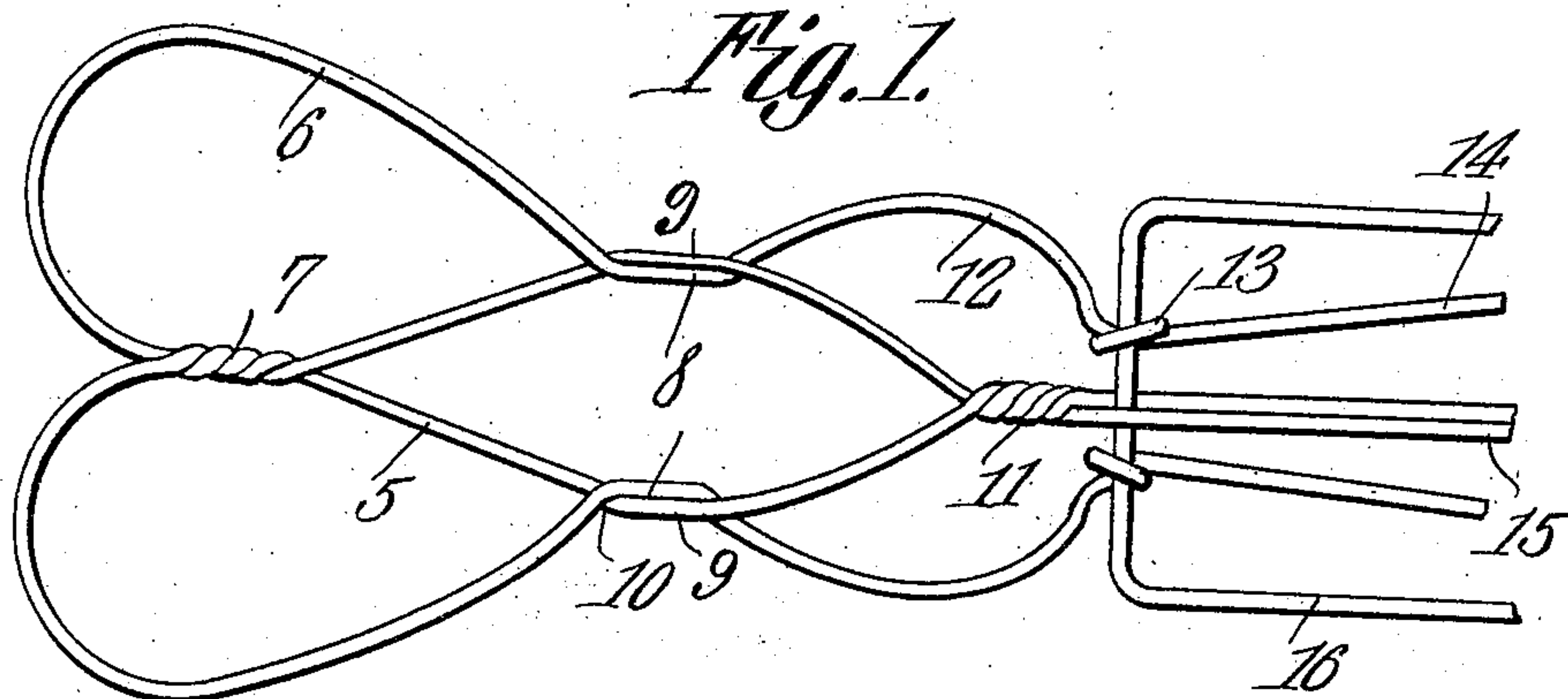


A. F. MEWIS.
 CARPET BUG BEATER.
 APPLICATION FILED AUG. 20, 1908.

920,772.

Patented May 4, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

AUGUST F. MEWIS, OF FAIRMONT, MINNESOTA, ASSIGNOR TO BEATS ALL MANUFACTURING COMPANY, OF FAIRMONT, MINNESOTA.

CARPET-RUG BEATER.

No. 920,772.

Specification of Letters Patent.

Patented May 4, 1909.

Application filed August 20, 1908. Serial No. 449,494.

To all whom it may concern:

Be it known that I, AUGUST F. MEWIS, a citizen of the United States, residing at Fairmont, in the county of Martin and State of Minnesota, have invented a new and useful Carpet-Rug Beater, of which the following is a specification.

This invention relates to carpet beaters of that general class shown and described in my former application for patent filed in the United States Patent Office on the 26th day of December 1907 under Serial No. 408,119.

The object of the invention is generally to improve the construction of the carpet beater and to reinforce and strengthen the head thereof by intertwisting the wires constituting the side walls of the inner and outer frames of said head.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a plan view showing the manner of constructing the carpet beater, the arms of the binding wire being spaced apart to show the manner of assembling the same. Fig. 2 is a similar view showing the supporting arms and binding wire in assembled position preparatory to intertwisting the same. Fig. 3 is a perspective view of the beater complete.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved carpet beater forming the subject matter of the present invention comprises a beating head consisting of inner and outer loops or frames 5 and 6, said frames being preferably formed of spring metal so as to present a yieldable bearing surface for engagement with the carpet or other material being operated upon.

The strands of wire forming the head proper are first bent to produce the outer loop or frame 6 and thence extended inwardly and intertwisted at 7 and thence extended laterally to produce the inner longitudinal loop or frame 5.

The wire forming the side walls of the outer loop 6 are curved inwardly and bent to produce oppositely disposed parallel intermediate portions 8, the wires forming the side walls of the inner frame 5 being also bent

to produce parallel intermediate portions 9 which bear against the portions 8 of the outer frame 6, as shown, thereby to reinforce and strengthen the head and prevent spreading of the wires.

Attention is here called to the fact that the side walls of the inner frame at the straight portions 9 are provided with shoulders 10 which engage corresponding shoulders formed on the straight portions 8 of the outer frame so that when the wires are intertwisted at 7 and 11, said shoulders will interengage and prevent accidental longitudinal movement of the wires constituting the head.

The wire strands forming the side walls of the outer frame 6 are curved rearwardly and inwardly at 12 and thence bent longitudinally in the direction of the length of the head to produce offset portions or shoulders 12', the wire strands at the shoulders being coiled or twisted to form registering eyes 13 and the terminals of the strands extended longitudinally to produce arms 14.

The wire strands constituting the inner frame 5 are extended longitudinally at the intertwisted portion 11 to produce terminal arms 15 one of which is longer than the other, so that the terminal thereof can be extended through the handle 19 and clenched in engagement therewith, as indicated at 15'.

As a means for retaining the arms 14 and 15 in assembled position there is provided a binding wire 16, the intermediate portion of which extends through the registering eyes 13 and between the arms 15 of the inner frame, the terminals of the binding wire being extended longitudinally for contact with the arms 14. When the several arms are thus assembled, said arms are intertwisted to produce a handle supporting shank 17 having an intermediate portion thereof offset at 18 for engagement with the handle 19.

Attention is here called to the fact that the binding wire 16 not only serves to reinforce and strengthen the shank but also serves to clamp the eyes 13 in engagement with the intermediate portion of the arms 15, which latter being intertwisted with the arms of the frame 6 and binding wire 16, forms a firm rigid shank, while at the same time permitting the requisite degree of flexibility of the beating head to insure effective service without danger of breakage.

It will also be noted that by passing the side walls of the inner loop or frame over the

side walls of the outer loop or frame the outer frame is effectually prevented from spreading.

Having thus described the invention what is claimed is:

1. A carpet beater comprising a head formed of inner and outer frames, the walls of the outer frame being curved rearwardly and inwardly and thence bent in the direction of the length of the head to produce offset portions, the side walls of the inner frame being passed around the side walls of the outer frame and intertwined at a point there being registering eyes formed in said offset portions, arms extending longitudinally from the inner frame at said intertwined portion, and a binding wire extending through the registering eyes and between the arms, said binding wire and arms being intertwined to produce a handle supporting shank.

2. A carpet beater comprising a head formed of mating strands of wire having their intermediate portions bent to produce an outer frame and thence intertwined and extended laterally to form a longitudinally disposed inner frame, the strands forming the outer frame being provided with registering eyes terminating in longitudinally disposed arms, and the ends of the wire strands forming the inner frame being intertwined and extended between the eyes to produce corre-

sponding longitudinal arms, a binding wire passing through the eyes and between the longitudinal arms of the inner frame, said binding wire and arms being intertwined to form a handle supporting shank, the wire strands forming the side walls of the inner and outer frame being provided with intermediate straight portions arranged to bear against each other and defining interengaging shoulders.

3. A carpet beater comprising a head formed of strands of wire having their intermediate portions bent to produce an outer frame and then intertwined and extended laterally to form a longitudinally disposed inner frame, the side walls of the inner and outer frames being straight and parallel throughout a portion of their extent and having their straight parallel portions engaging one with the other, there being interengaging shoulders at the ends of the said straight parallel portions of the side walls of the frame, and a handle supporting shank extending longitudinally from one end of the head.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

AUGUST F. MEWIS.

Witnesses:

PAUL PETERSON,
DAVID S. WADE.