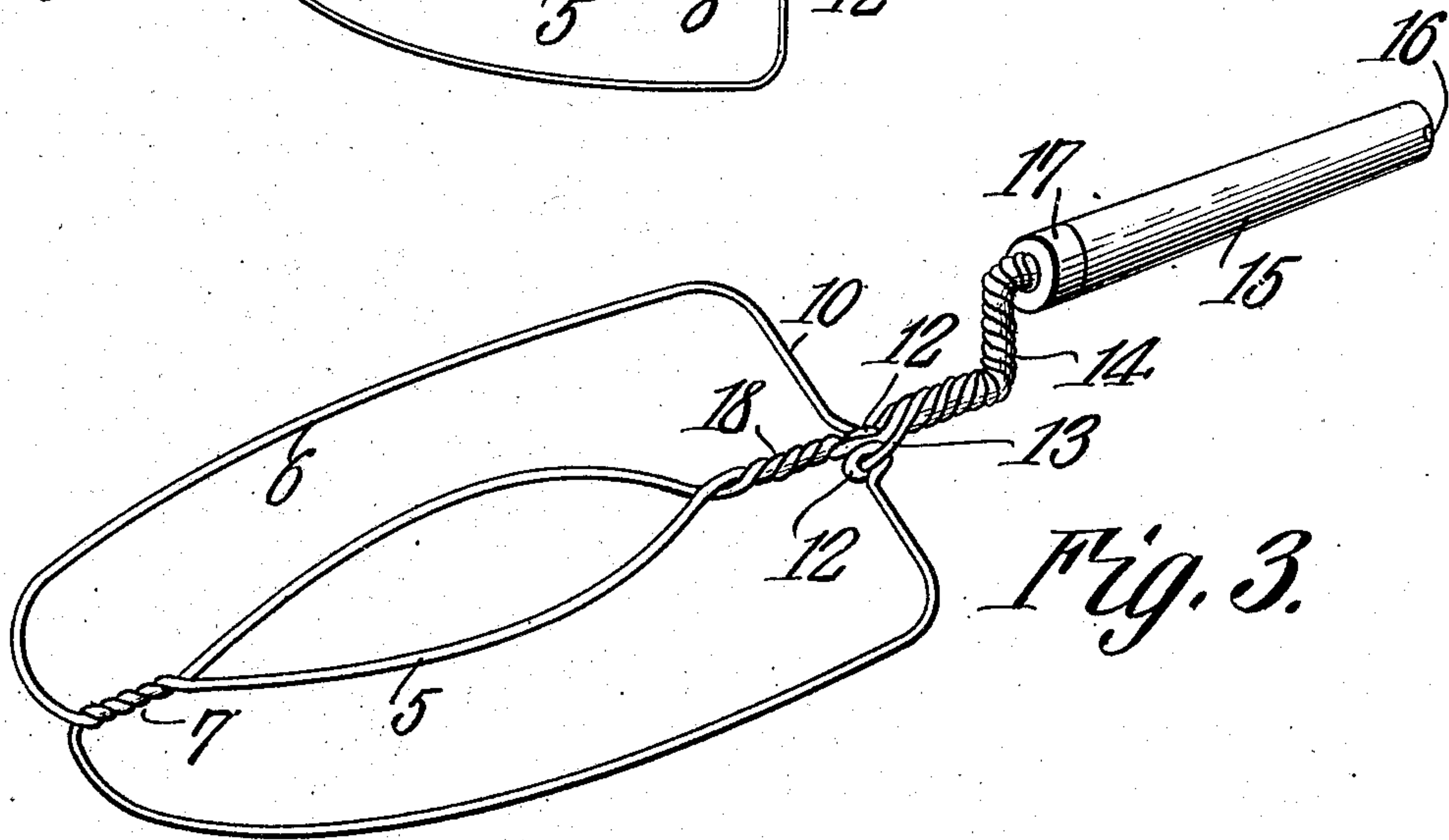
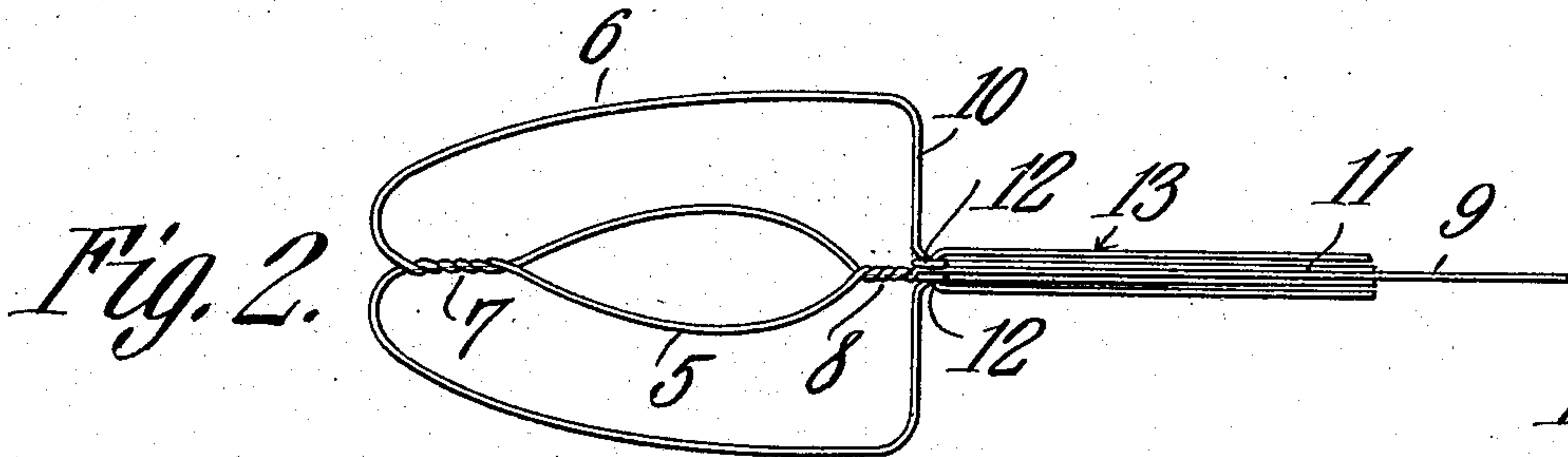
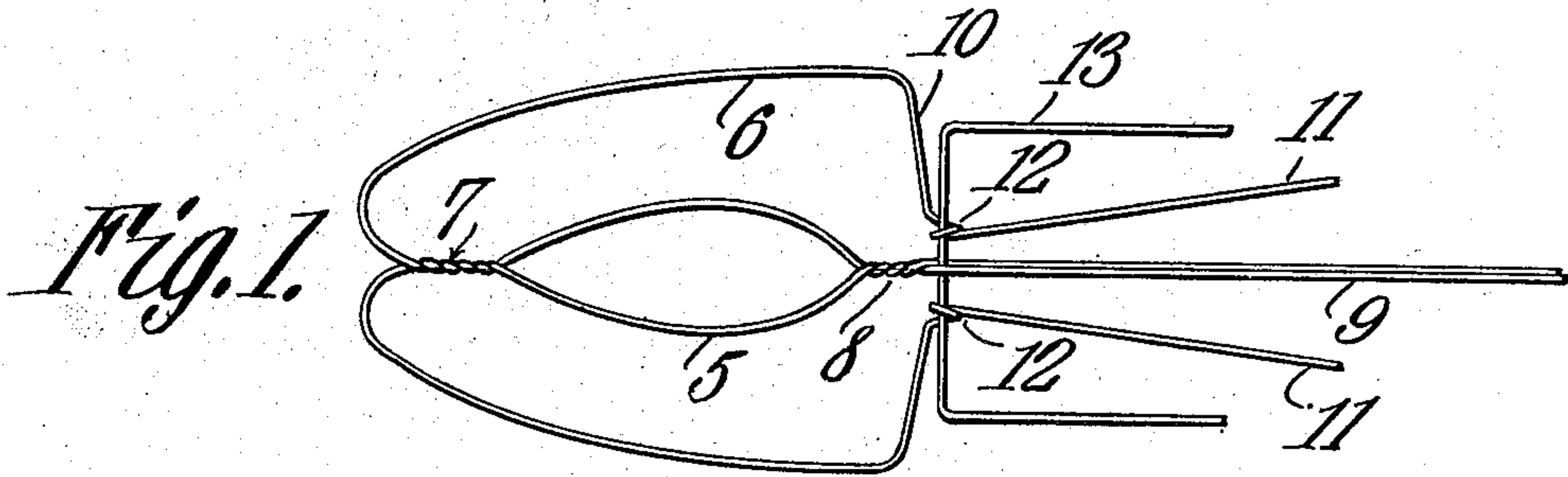


A. F. MEWIS.
CARPET BEATER.
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911,831.

Patented Feb. 9, 1909.



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UNITED STATES PATENT OFFICE.

AUGUST FREDRICK MEWIS, OF FAIRMONT, MINNESOTA.

CARPET-BEATER.

No. 911,831.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed December 26, 1907. Serial No. 408,119.

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-Beater, of which the following is a specification.

This invention relates to carpet beaters and has for its object to provide a comparatively simple and thoroughly efficient device of this character having an extended bearing surface for engagement with the carpet and which possesses the requisite degree of flexibility to insure effective service without danger of breakage.

A further object of the invention is to provide a carpet beater having a reinforced shank offset with respect to the handle, thereby to prevent the hand of the operator from coming in contact with the carpet when beating the same.

A further object is to form the beater with a yieldable bearing surface which prevents jarring or straining of the hand and wrist when the device is in use and at the same time prevents undue strain on said bearing surface at its juncture with the shank.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

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 shank forming arms of binding wire being spaced apart to show the manner of assembling the same. Fig. 2 is a similar view showing the several shank 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 spring 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 wires after the loop 5 is formed being intertwisted at 8 and thence extended longitudinally to form terminal arms 9. The metal forming the side walls of the outer loop or frame 6 is bent inwardly to produce horizontal portions 10 terminating in longitudinal arms 11, that portion of the wire at the juncture of the arms 11 and horizontal portions 10 being coiled to produce co-incident loops or eyes 12 for the reception of a binding wire 13. The binding wire 13 extends through the eyes 12 and between the arms 9, the opposite ends of said binding wire being bent in contact with the eyes and thence extended longitudinally to form arms similar in construction to the arms 9 and 11, the several arms being twisted or coiled together to produce a shank 14 offset with respect to the beating head and which forms a support for the operating handle 15. The arms 9 are preferably longer than the adjacent arms 11 and are extended through the rear end of the handle to form attaching spurs 16, which latter are counter sunk in the material forming the handle so as to prevent accidental displacement of the latter. By making the shank 14 offset with respect to the beating head, said head and handle are disposed in different longitudinal planes so as to prevent the hand from coming in contact with the carpet when beating the latter. The binding wire 13 not only serves to reinforce and strengthen the shank but also serves to clamp the eyes 12 in engagement with the intermediate portion of the arms 9, which latter being intertwisted with the arms of the loop 6 and binding wire 11 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.

Attention is here called to the fact that by making the shank rigid and the loop 6 flexible, the beating head is free to yield laterally and thus prevent any jar or strain on the hand or wrist of the operator when the device is in use. It will also be noted that the

inner loop serves to reinforce and strengthen the outer loop without impairing its resilient qualities, said loop being centered with respect to the walls of the outer loop and
5 locked in position on the head by means of the binding wire.

The handle 15 is preferably formed with a cap or ferrule 17 as shown.

The beaters may be made in different
10 sizes and shapes and the metal forming the head galvanized, nickled or otherwise coated to protect the same against the action of the elements and also to prevent injury to the carpet.

15 From the foregoing description it will be seen that there is provided an extremely simple, inexpensive and efficient device admirably adapted for the attainment of the ends in view.

20 Having thus described the invention what is claimed is:

1. A carpet beater comprising a head formed of inner and outer frames connected with each other and each provided with longitudinal arms, there being registering eyes
25 formed in the walls of the outer frames, a binding wire extending through said eyes and between the arms of the inner frame, said arms and binding wire being intertwined to form a shank.

30 2. A carpet beater comprising a head formed of inner and outer frames, the outer frame being provided with registering eyes and longitudinally disposed arms, and the

inner frame being connected with the outer 35 frame by twisted portions and provided with longitudinal arms extending between the eyes of the outer frame, a binding wire extending through the eyes of the outer frame and between the arms of the inner frame 40 and having its opposite ends bent to form longitudinal arms, the several arms being intertwined to form a shank.

3. A carpet beater comprising a head formed of mating strands of wire having 45 their intermediate portions bent to produce an outer frame and thence intertwined and extended laterally to form a longitudinally disposed inner frame, the strands after the inner frame is formed being intertwined and 50 extended longitudinally to form arms, the wire forming the outer frame being coiled to produce registering eyes and thence projected longitudinally to form arms, and a binding wire extending between the arms of 55 the inner frame through said eyes and thence extended longitudinally to form arms, the several arms being intertwined to produce a handle supporting shank the free end of which is offset with respect to the head. 60

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

AUGUST FREDRICK MEWIS.

Witnesses:

PAUL PETERSON,
DAVID S. WADE.