

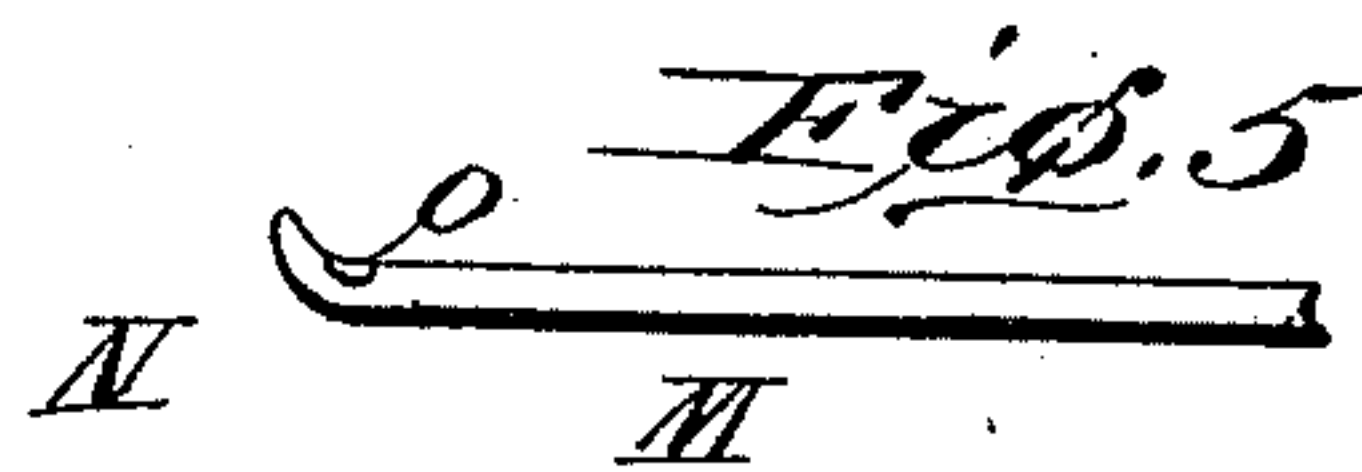
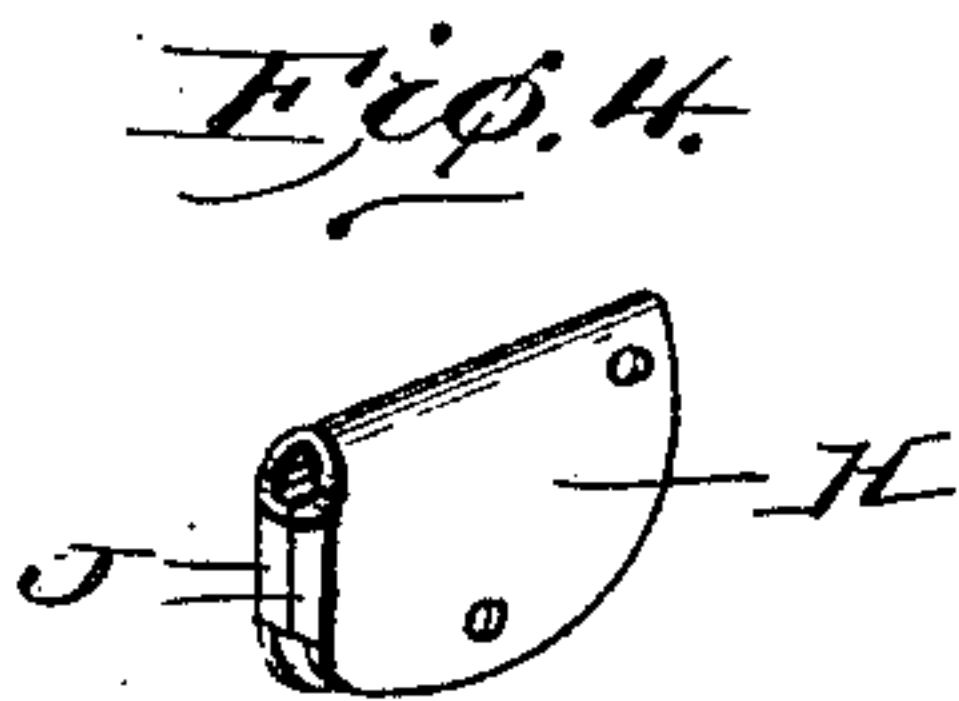
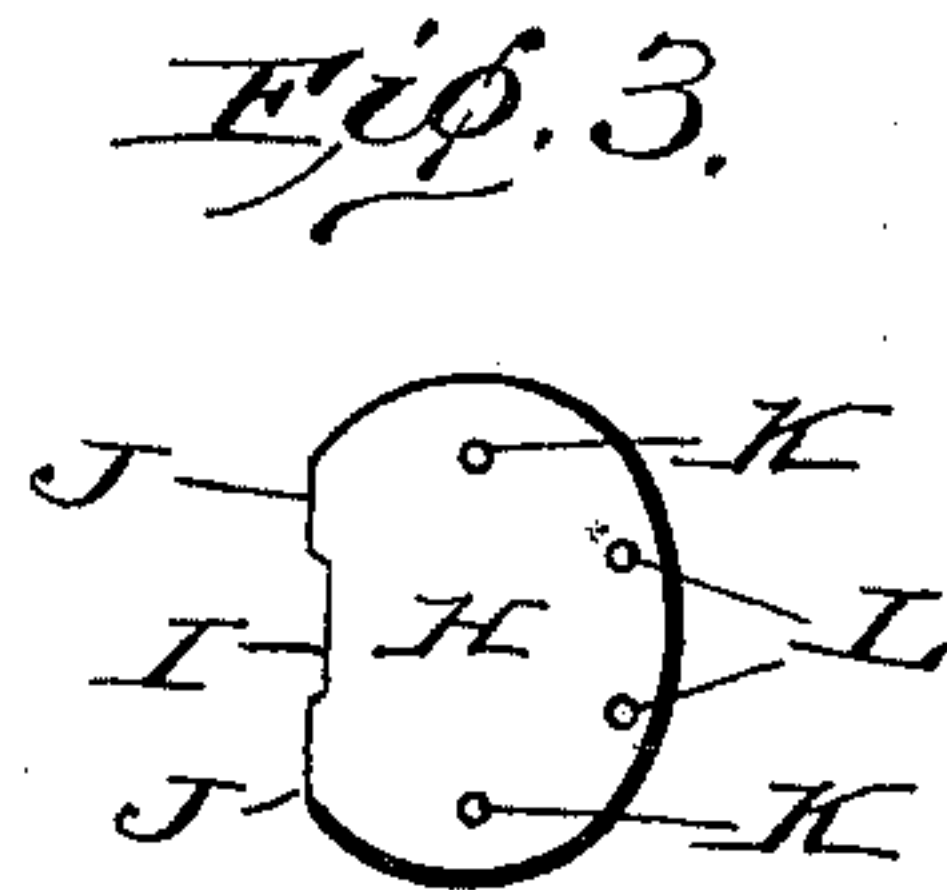
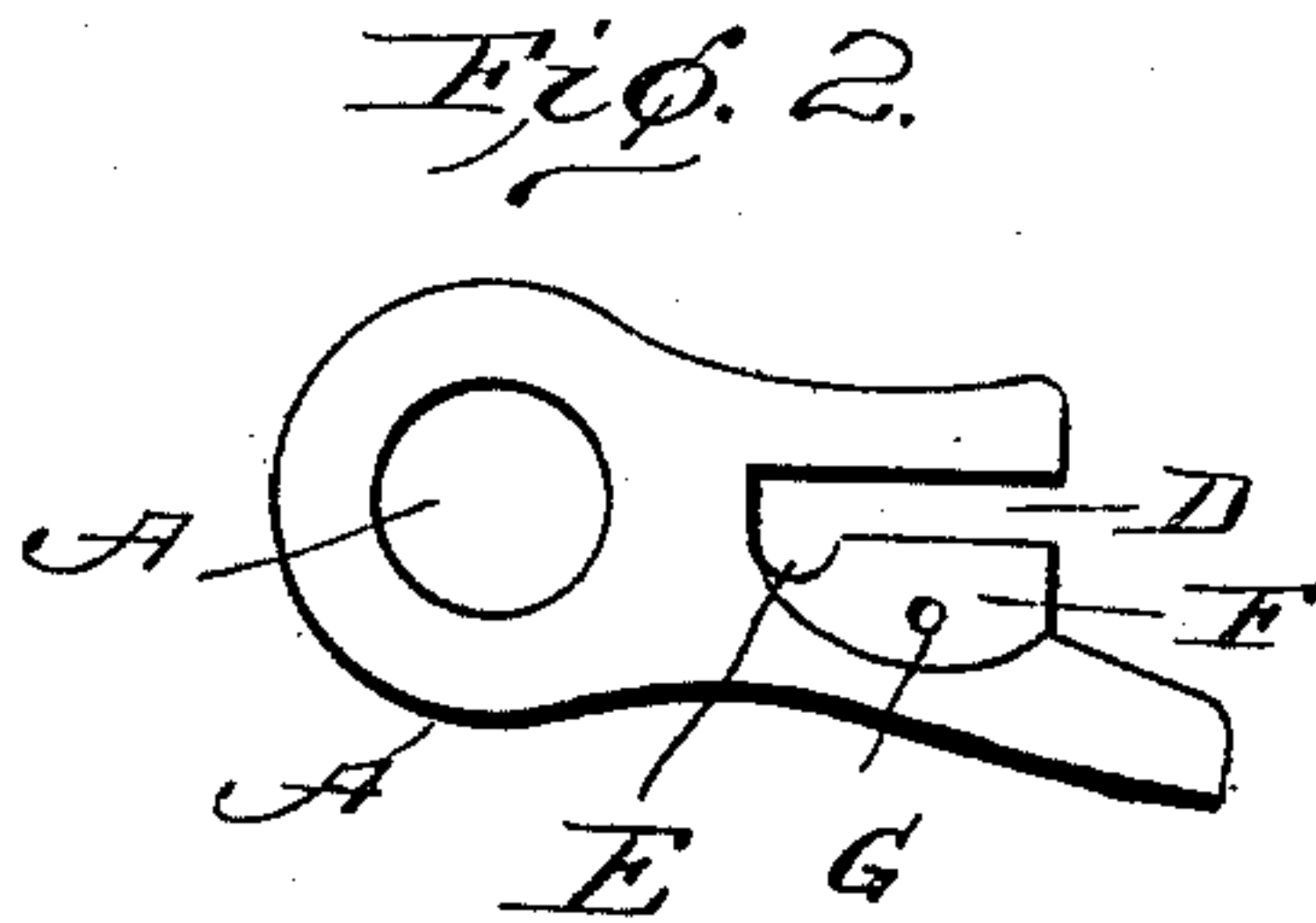
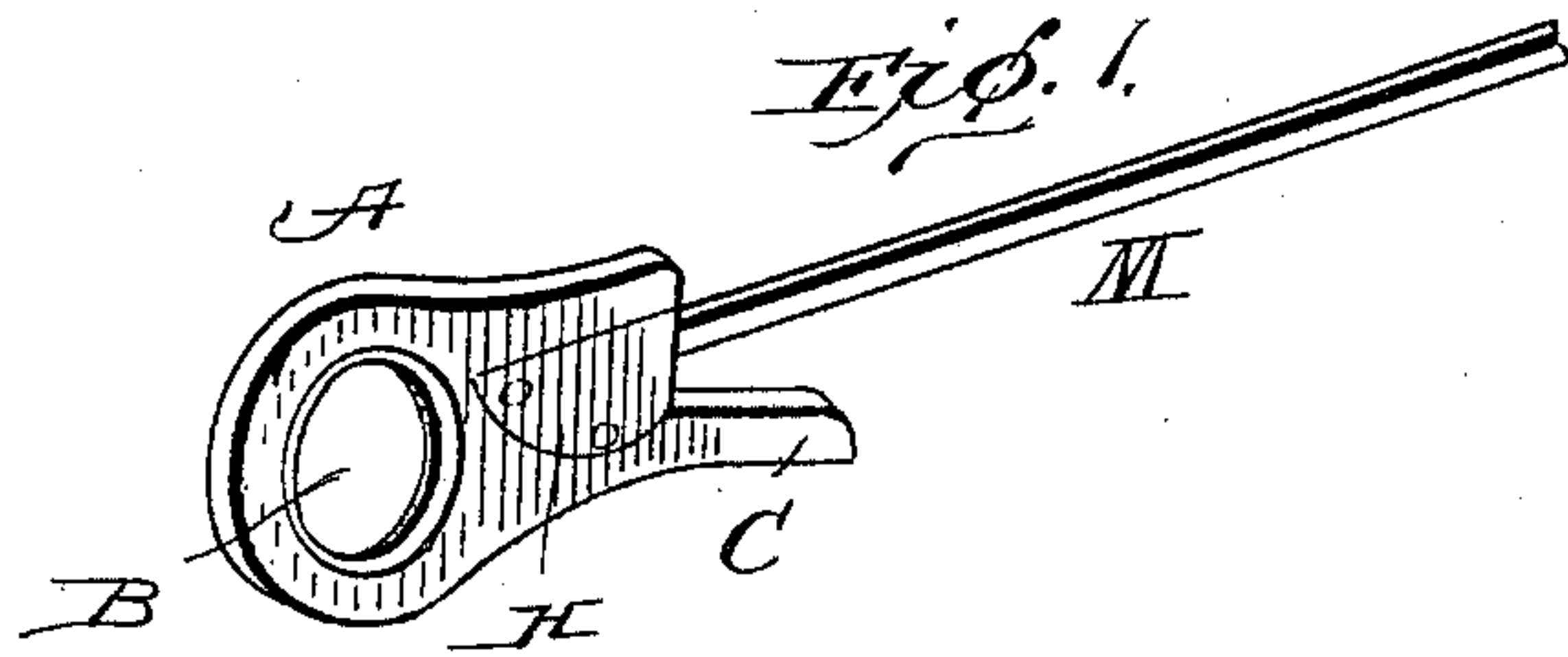
No. 697,263.

Patented Apr. 8, 1902.

H. L. MATTON.
HEAD OF PILE WIRES FOR LOOMS.

(Application filed Jan. 23, 1902.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

HECTOR L. MATTON, OF YONKERS, NEW YORK.

HEAD OF PILE-WIRE FOR LOOMS.

SPECIFICATION forming part of Letters Patent No. 697,263, dated April 8, 1902.

Application filed January 23, 1902. Serial No. 90,969. (No model.)

To all whom it may concern:

Be it known that I, HECTOR L. MATTON, a citizen of the Republic of France, residing at Yonkers, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Heads of Pile-Wires for Looms, of which the following is a specification.

This invention relates to pile-wires, and has for its object to provide a head which may be easily and quickly detached or connected to the wire.

Another object of this invention is to provide a head of a pile-wire for a loom which is simple, inexpensive, durable, compact, and unique, one in which the connection between the head and wire is made substantial and rigid.

With these objects in view and such others as may hereinafter appear my invention consists in the particular construction of the various parts and in the novel manner of combination and arrangement of said parts, all of which will be more fully described, and specifically pointed out in the appended claims.

I am aware that a head of a pile-wire for looms similar in shape and form to my invention is now in use. However, the head in present use is brazed to the wire, thus causing the wire after it has been employed for a short time to break at the point of connection, and thereby rendering both the wire and head useless. My invention is designed to obviate this difficulty; and to this end I provide a head which does not weaken the wire at the point of connection; also, a head which may be detached from a broken wire and conveniently connected to a new wire.

In the drawings forming a part of this specification, Figure 1 is a perspective view of my improved pile-wire head, showing the wire secured therein. Fig. 2 is a side elevation of the head proper. Fig. 3 is a plan view of the plate for securing the wire and head together. Fig. 4 is a perspective view of the plate ready for use. Fig. 5 is a side elevation of a portion of the wire, showing the bent end.

Referring by letters to the drawings, A represents the head proper, which consists of a flat plate having an aperture B in one end thereof adapted to receive a hook, such as is

employed for supporting the pile-wires in a loom, and the usual guide C upon the opposite end. This head is provided with a slot D, terminating in a recess E, and cut-away portions on each side thereof, as plainly shown at F, in the center of which is an aperture G, the object of which will be hereinafter explained.

In connection with the head I employ a plate H, which is semicircular in shape. This plate is notched, as shown at I, so as to form corresponding flanges J, and is further provided with corresponding apertures K and L, the flanges and apertures registering, respectively, with each other when the plate is bent upon itself, as shown in Fig. 4.

In carrying my invention into effect a wire M is provided with a bent end portion N. This wire is placed in the slot D, with its bent end portion engaging the recess or notch E. The plate H is then placed over the wire and forced into position, the sides of the plate engaging the cut-away portion F, thus becoming flush with the sides of the head, the apertures K therein registering with the aperture G in the head and the apertures L registering with the aperture O in the wire, after which rivets are placed through the registering apertures and made secure. The flanges J are then bent down upon the edge of the head, thus forming a collar around the wire.

I deem the foregoing explanation sufficiently plain that the invention will be readily understood by all conversant in such matters; the extreme simplicity rendering an elaborate description unnecessary.

Having thus described the various features of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a pile-wire for looms, a head having a slot therein, a recess at the end of said slot, cut-away portions upon each side of the head adjacent to the slot, a wire having a bent end engaging the slot and recess, a semicircular plate bent centrally upon itself adapted to fit snugly over the said wire, apertures in the plate registering with apertures in the head and wire, rivets secured in the said apertures, flanges upon the plate adapted to be bent so as to form a collar around the wire, substantially as shown and described.

2. In a pile-wire for looms, a head having a

slot therein, a recess at the end of said slot, cut-away portions upon each side of the head, a wire having a bent end, the said wire engaging the said slot and recess, a semicircular
5 plate folded upon itself, the said plate adapted to fit snugly over the wire, flanges upon the said plate adapted to form a collar around the wire, and rivets passing through the said plate, wire and head, substantially as shown and for the purpose set forth.

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Witnesses:

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