

(No Model.)

J. PAXSON.
HAND RAKE.

No. 409,494.

Patented Aug. 20, 1889.

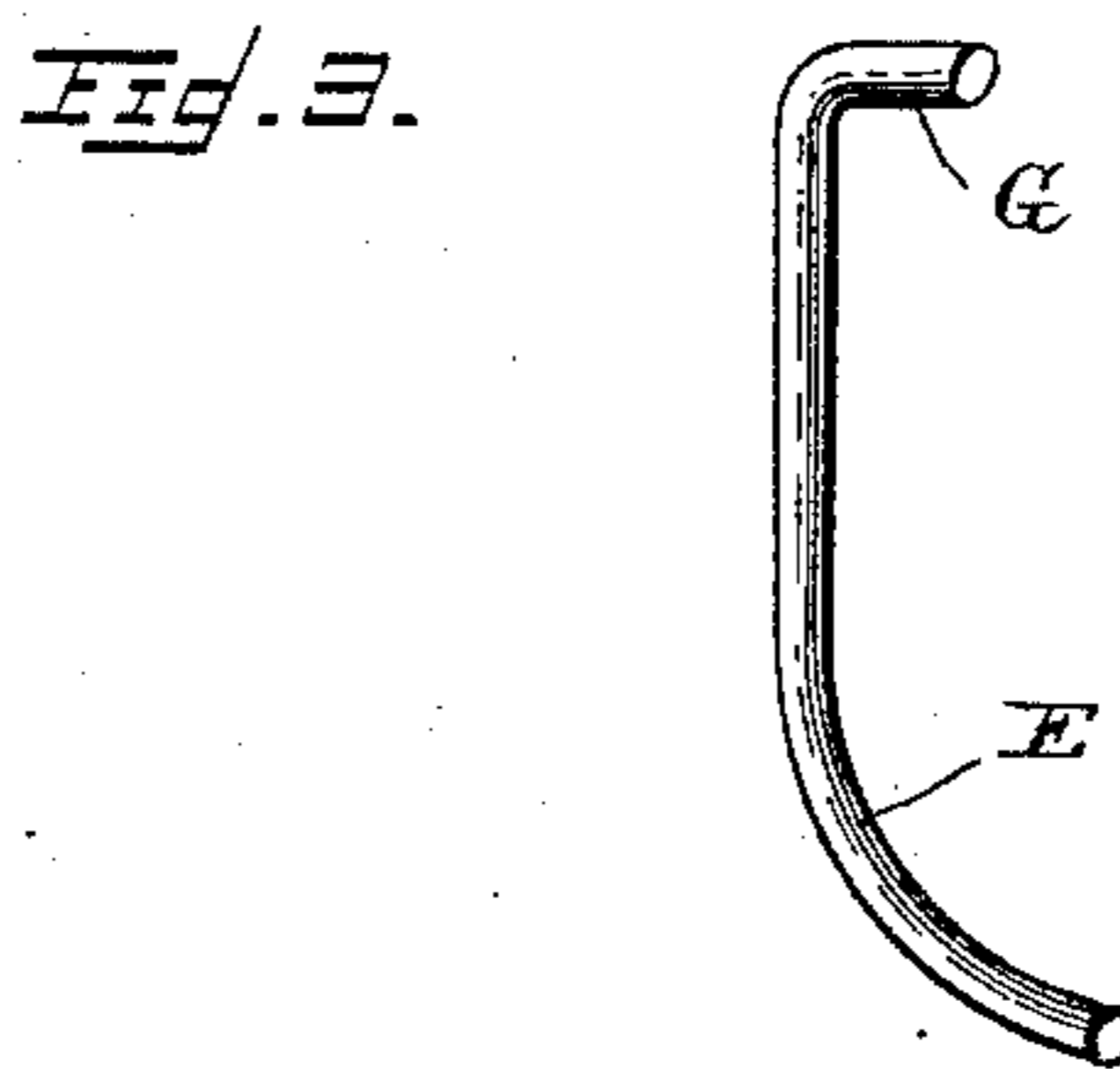
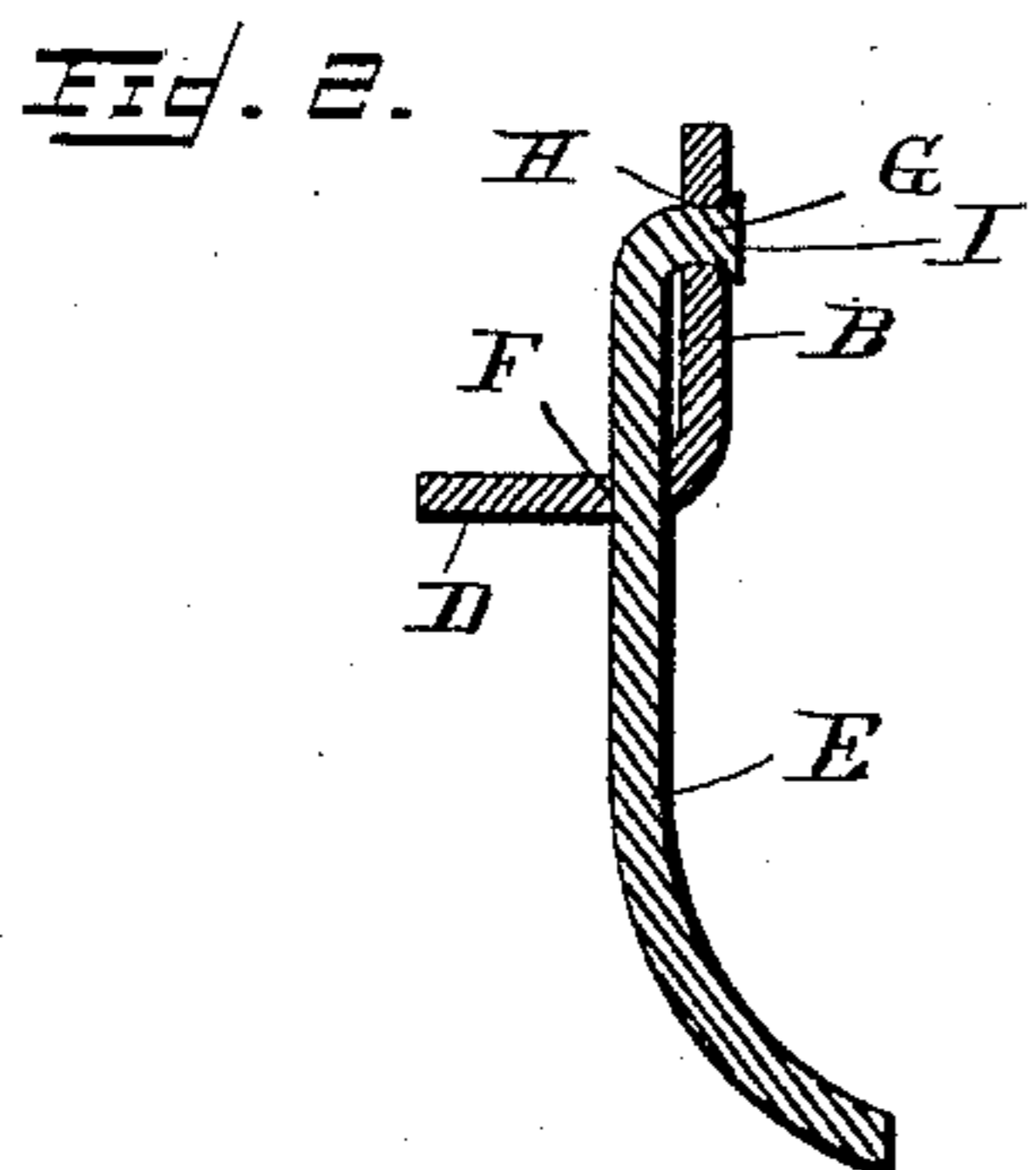
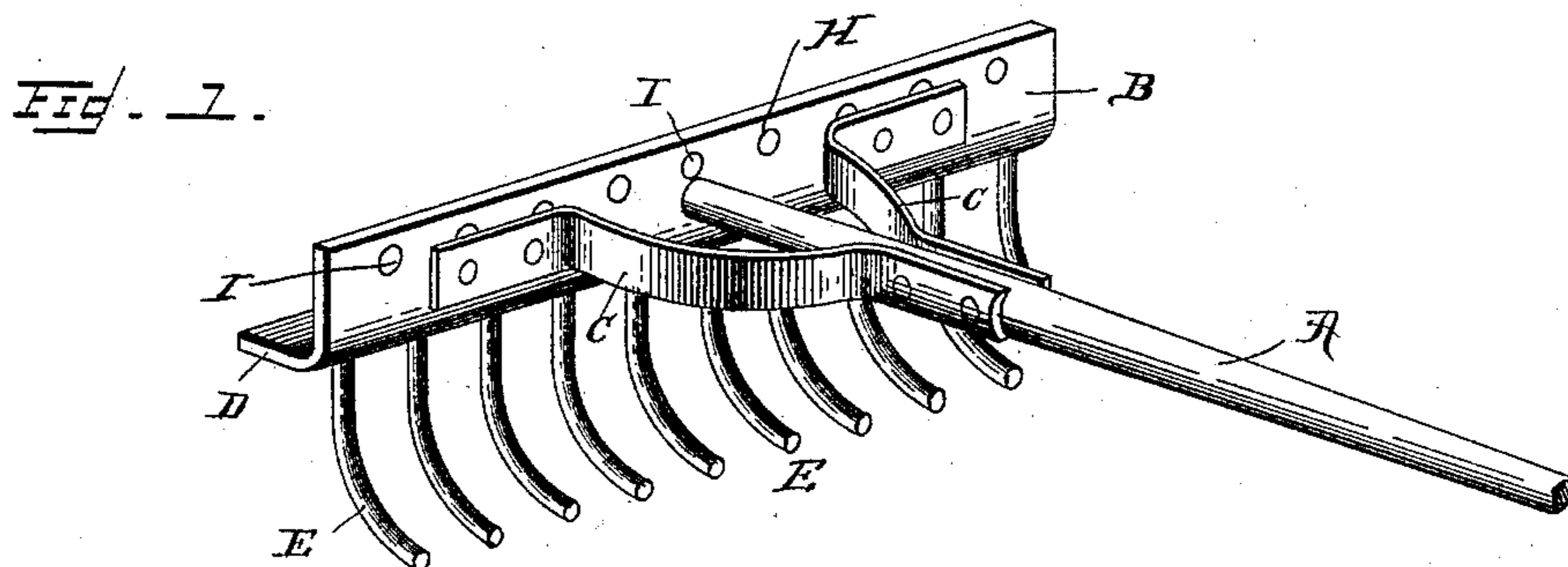
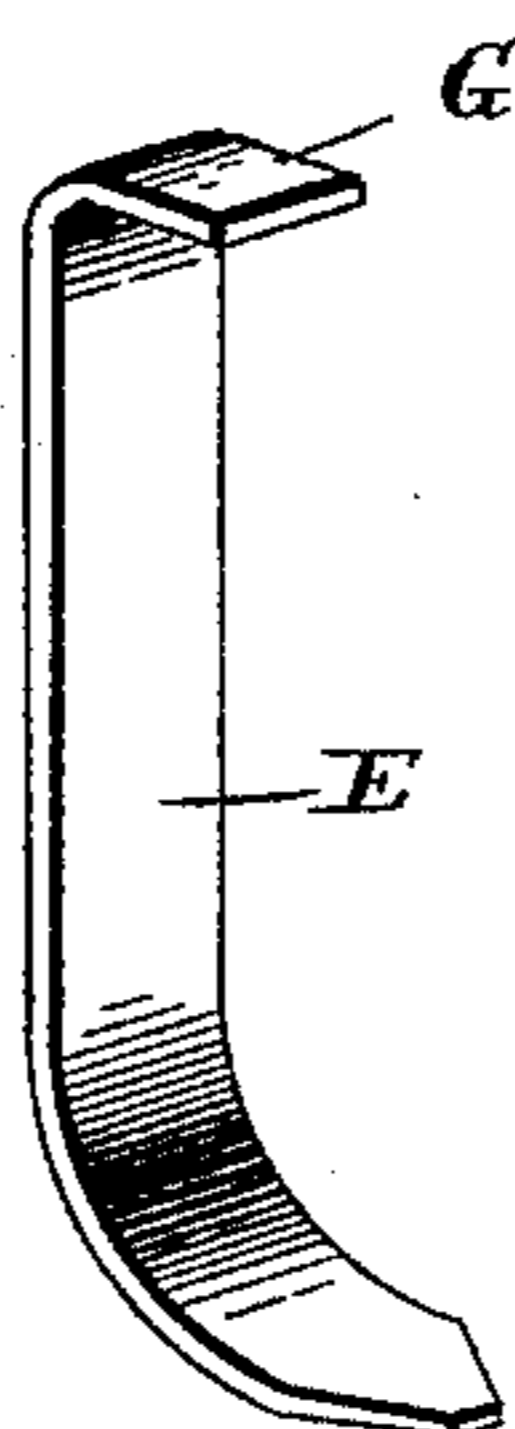


Fig. 4.



WITNESSES
F. L. Curran
Dennett S. Jones

INVENTOR,
Jonathan Paxson
by *Louis Baggett Co.*
his Attorneys.

UNITED STATES PATENT OFFICE.

JONATHAN PAXSON, OF POTTSVILLE, PENNSYLVANIA.

HAND-RAKE.

SPECIFICATION forming part of Letters Patent No. 409,494, dated August 20, 1889.

Application filed April 24, 1889. Serial No. 308,408. (No model.)

To all whom it may concern:

Be it known that I, JONATHAN PAXSON, a citizen of the United States, and a resident of Pottsville, in the county of Schuylkill and State of Pennsylvania, have invented certain new and useful Improvements in Hand-Rakes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved metallic rake. Fig. 2 is a cross-section through the rake-head, showing the manner of fastening the teeth; and Figs. 3 and 4 illustrate different forms of teeth adapted for use in my improved rake, according to the purposes for which the same may be intended.

Like letters of reference denote corresponding parts in all the figures.

My invention has relation to hand-rakes in which the rake head and teeth are made of iron, steel, or other suitable metal; and it consists in the improved construction and combination of parts of a rake of that class, which will be hereinafter more fully described and claimed.

In the accompanying drawings, the letter A designates the rake-handle, B the rake-head, and C C the braces which connect the head to the handle on opposite sides of the point of attachment of the handle to the head. The latter is made of metal (preferably steel) in the form of a flat plate of suitable length and width, according to the size of the finished rake, having its lower edge bent outwardly at right angles, as shown at D. The

rake-teeth E, which are also of steel or other suitable metal, either straight or curved, and flat, square, or round in cross-section, (see Figs. 3 and 4,) are inserted with their upper ends through slots or apertures F in the flange D, so as to bear laterally against the flat head-plate B, the top of each tooth being bent inwardly at right angles, as shown at G, which said bent part is inserted through a slot or aperture H in the plate and clinched on the other side thereof, as shown at I. This provides for a very strong and durable and yet elastic fastening of the teeth in the head, while the right-angled flange D lends sufficient stiffness and rigidity to the same, while also forming a means of attachment for the teeth. It is not intended that the teeth should have any play or motion in the flange-apertures F, through which they are inserted, said slots or apertures being only of sufficient size to admit of the insertion of the teeth.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The improved metallic rake herein shown and described, the same consisting of the flat head B, bent at its lower end to form a right-angled flange D and having slots or apertures F and H, in combination with the teeth inserted through said apertures and clinched at the back part of the rake-head.

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

JONATHAN PAXSON.

Witnesses:

H. K. WESTON,
FLORENCE WESTON.