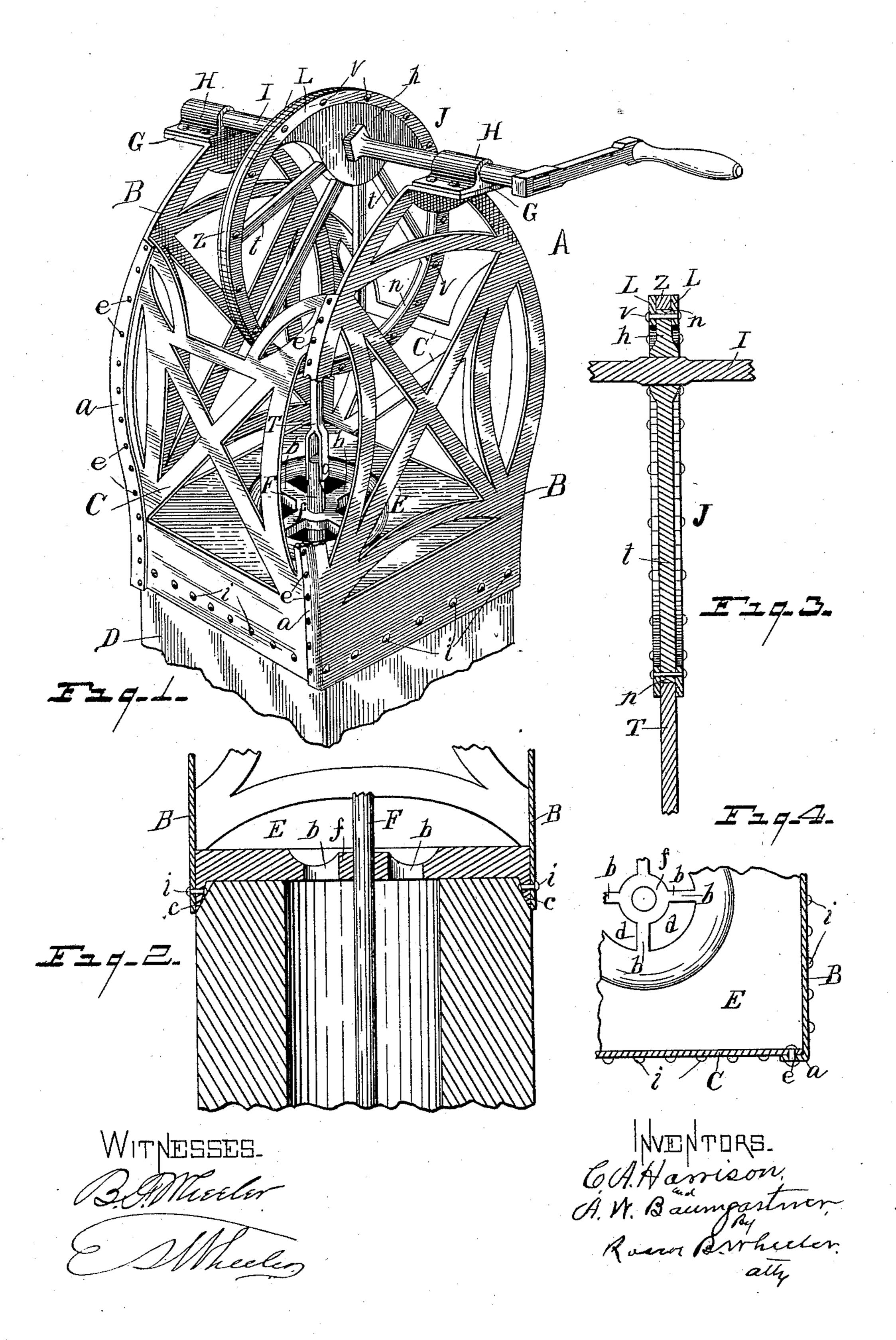
(No Model.)

C. A. HARRISON & A. W. BAUMGARTNER. PUMP ATTACHMENT.

No. 468,514.

Patented Feb. 9, 1892.



United States Patent Office.

CHARLES A. HARRISON AND ANTHONY W. BAUMGARTNER, OF PONTIAC, MICHIGAN.

PUMP ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 468,514, dated February 9, 1892.

Application filed March 30, 1891. Serial No. 386,906. (No model.)

To all whom it may concern:

Be it known that we, CHARLES A. HARRI-SON and ANTHONY W. BAUMGARTNER, citizens of the United States, residing at Pontiac, in the county of Oakland and State of Michigan, have invented certain new and useful Improvements in Pump Attachments; and we do declare the following to be a full, clear, and exact description of the invention, such ro as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specifica-15 tion.

This invention relates to new and useful improvements in pump attachments; and it consists in a certain construction and arrangement of parts, as hereinafter fully set forth, 20 the essential features of the device being pointed out particularly in the claim.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of that portion of a pump em-25 bodying our improved features. Fig. 2 is a central vertical section through a portion of Fig. 1. Fig. 3 is an enlarged vertical crosssection through the eccentric-wheel. Fig. 4 is an enlarged horizontal section through one 30 of the corners of the base of the trussed metal

frame or housing.

Referring to the letters of reference, A indicates a trussed frame that carries the operative mechanism of the pump-rod. Said 35 frame is made of pressed metal and is comprised of four parts composed of the sections B B and the sections C C. The sections B are provided with a right-angled flange a on their curved vertical edges that lap onto the 40 meeting edges of the sections C, and said sections B C are secured together by bolts or rivets e, passing through the flange a and the edge of the section C, as clearly shown in Fig. 1. The base of the frame so formed is adapted 45 to fit over the upper end of the ordinary pumpstock D.

E indicates a metal cap-plate located over the upper end of the pump-stock. Depend-

said plate is a flange c, to which the base of 50 the frame A is secured by means of the bolts or rivets i, as shown in Figs. 1 and 2. Located in the center of said plate E is an aperture crossed by diametrical arms b, forming the openings d, as clearly shown in Fig. 4, said 55 arms b supporting a central ring forming a guideway f, through which passes the pumprod F. (Shown in Figs 1 and 2.) The openings d afford ventilation and permit water to be poured into the pump-barrel for the pur- 60 pose of priming.

On the upper ends of the sections B of the trussed frame are the ledges G, formed at a right angle to the vertical faces of said sections. Secured to said ledges are the boxes 65 H, in which the shaft I is journaled.

J indicates an eccentric-wheel, the web h, spokes t, and rim n of which are formed in-

tegral of cast metal.

L L indicate two metal rings that are se- 70 cured on opposite faces of the rim n of the eccentric-wheel J. Said rings extend beyond the edge of said rim n and form an annular groove between their adjacent faces, that receives the eccentric-strap Z, which is attached 75 to or formed integral with the pitman T, the lower end of said pitman being pivoted to the pump-rod F, as shown in Figs. 1 and 2. The wheel J is eccentrically mounted on the shaft I, which passes through its web portion 80 h, one end of said shaft carrying the crank W. It will now be apparent that by turning the crank W the eccentric-wheel J will be revolved, thus imparting a vertically-reciprocating motion to the pump-rod F.

This improved pump attachment presents a good appearance, is cheap, strong, light, and durable, is easily operated, and can be readily attached to the wooden stock of any ordi-

nary pump in use.

Having thus fully set forth our invention, what we claim as new, and desire to secure by

Letters Patent, is—

In a pump attachment, the combination of the metal cap-piece having the central venti- 95 lation - openings and the guideway for the pump-rod and provided with the depending ing from the perimeter of the under face of I flanges that receive and embrace the upper

end of the pump-stock, the trussed metal supporting-frame consisting of the sections B and C, riveted together, the crank-shaft journaled at the upper ends of the sections B, the ec-5 centric on said shaft, and the pump-rod coupled to said eccentric, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES A. HARRISON.
ANTHONY W. BAUMGARTNER.
Witnesses:

J. E. SAWYER, F. J. BAUMGARTNER.