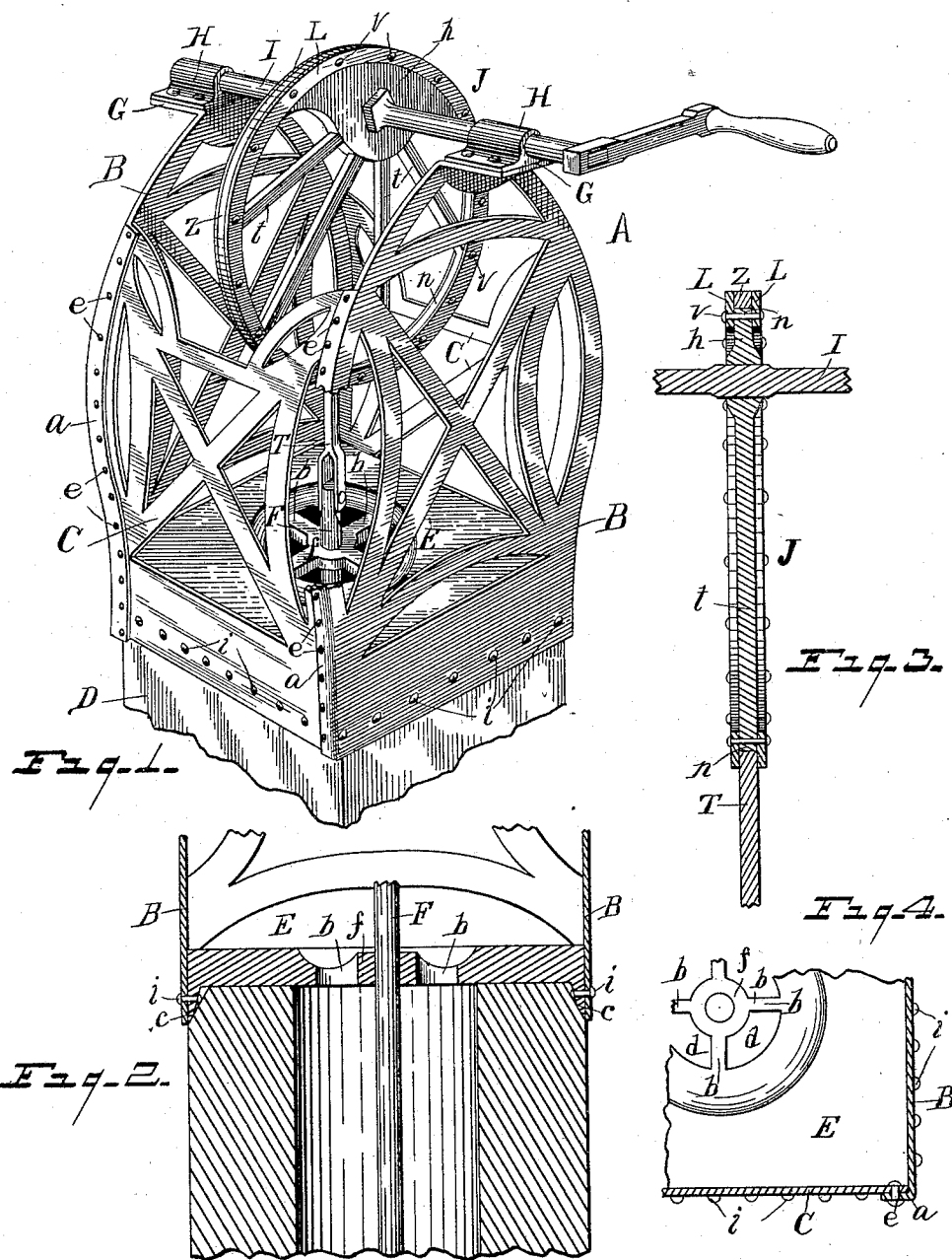


(No Model.)

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

No. 468,514.

Patented Feb. 9, 1892.



WITNESSES.

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

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, 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 embodying our improved features. Fig. 2 is a central vertical section through a portion of Fig. 1. Fig. 3 is an enlarged vertical cross-section through the eccentric-wheel. Fig. 4 is an enlarged horizontal section through one 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 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 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 to fit over the upper end of the ordinary pump-stock D.

E indicates a metal cap-plate located over the upper end of the pump-stock. Depending from the perimeter of the under face of

said plate is a flange *c*, to which the base of 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 arms *b* supporting a central ring forming a guideway *f*, through which passes the pump-rod F. (Shown in Figs 1 and 2.) The openings *d* afford ventilation and permit water to be poured into the pump-barrel for the purpose 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 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 integral of cast metal.

L L indicate two metal rings that are secured 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 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 *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 ordinary 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 ventilation-openings and the guideway for the pump-rod and provided with the depending 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 eccentric 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.