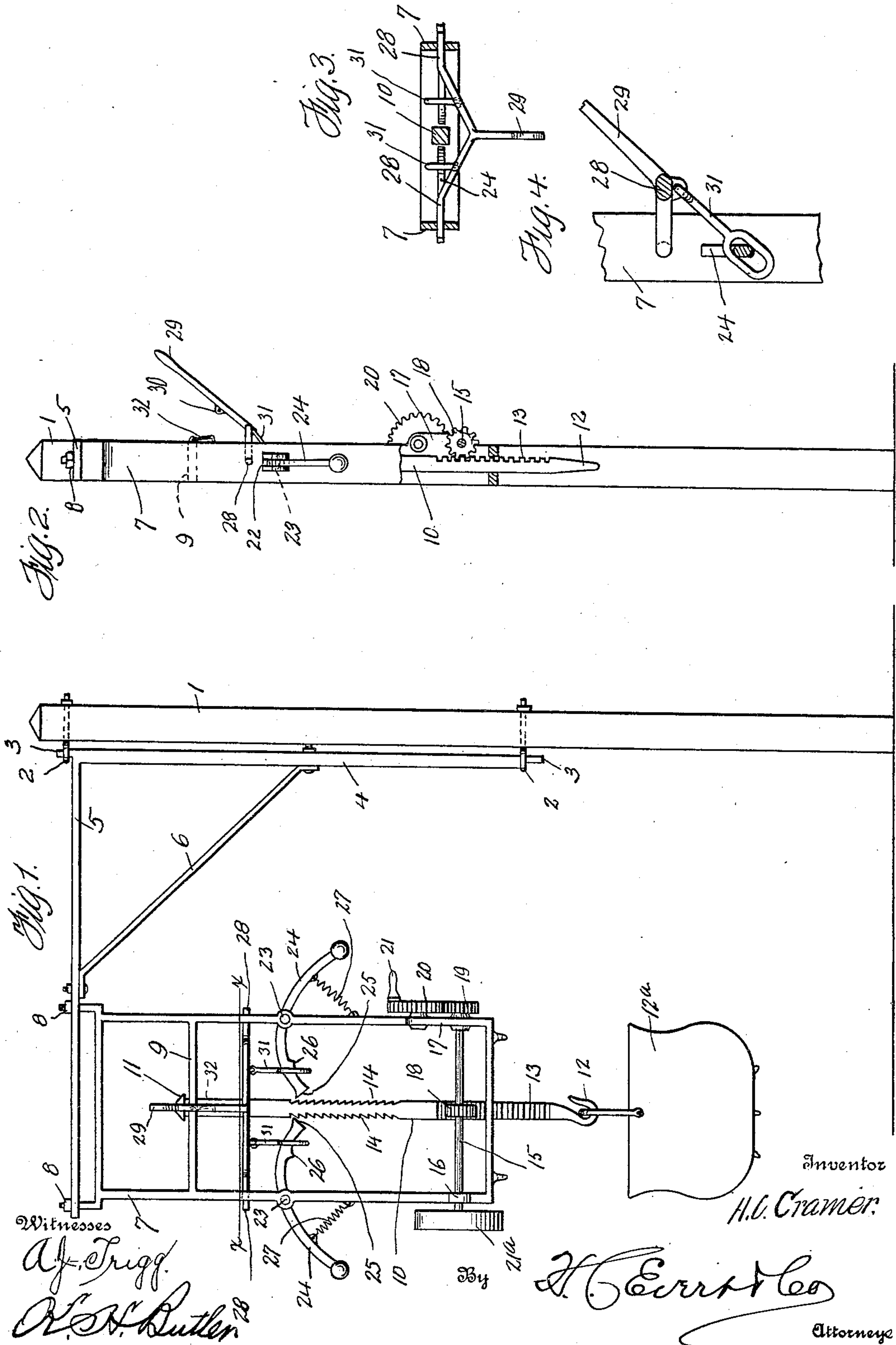


H. C. CRAMER.
KETTLE HANGER.

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UNITED STATES PATENT OFFICE.

HENRY C. CRAMER, OF KINGWOOD, PENNSYLVANIA.

KETTLE-HANGER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HENRY C. CRAMER, a citizen of the United States of America, residing at Kingwood, in the county of Somerset and State of Pennsylvania, have invented certain new and useful Improvements in Kettle-Hangers, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a kettle hanger, and the invention has for its objects, first the provision of simple and effective means for adjustably suspending a kettle or similar receptacle above a fire; second, to furnish means in connection with the hanger for raising and lowering a kettle and maintaining the same in a raised or lowered position; third, to provide positive means for releasing the kettle from an elevated position; and fourth, to provide a kettle hanger that can be used in a hearth or in the open above a fire. These and such other objects as may hereinafter appear are attained by a kettle hanger that will be presently described in detail and then claimed, and reference will now be had to the drawing forming part of this specification, wherein there is illustrated a preferred embodiment of the invention, but it is to be understood that the structural elements thereof can be varied or changed without departing from the spirit and scope of the invention.

In the drawings, Figure 1 is a side elevation of the hanger, Fig. 2 is a front elevation of a portion of the same partly broken away and partly in section. Fig. 3 is a horizontal sectional view of a portion of the hanger taken on the line $x-x$ of Fig. 1, and Fig. 4 is a vertical sectional view of a portion of the hanger.

In the drawings 1 denotes a suitable standard or support having staples 2 serving functionally as bearings for the pintles 3 of a crane, said crane comprising a mast 4, a beam 5 and an angularly disposed brace 6 connecting said mast and said beam.

7 designates a rectangular frame having the upper end thereof connected to the outer end of the beam 5, as at 8. The frame 7 is provided adjacent to the upper end thereof with a transverse brace 9, and movably mounted in said brace and the lower end of said frame is a vertical hanger bar 10. The upper end of this bar is provided with a head 11, adapted to engage the brace 9 and

limit the lowering movement of said bar, while the lower end of said bar is provided with a hook 12 from which a kettle 12^a or similar receptacle can be suspended. The front side of the bar is provided with a rack 13, while the edges of said bar intermediate the ends thereof are provided with ratchet teeth 14.

15 designates a shaft journaled in bearings 16 and 17, carried by the frame 7 in proximity to the lower end thereof. This shaft is provided with a pinion 18 meshing with the rack 13, also with a gear wheel 19 meshing with a gear wheel 20 revolvably supported at the outer side of the bearing 17, said gear wheel having a crank 21. A counterbalance wheel 21^a is also mounted upon the shaft 15.

The frame 7 is provided with diametrically opposed slots 22 and extending through said slots are transverse pivot pins 23 for arms 24. The inner ends of the arms 24 are toothed, as at 25, to engage the ratchet teeth 14 of the bar 10, and are provided with bearing lugs 26 for a purpose that will hereinafter appear. The outer ends of the arms 24 are connected to the frame 7 by springs, said springs being adapted to normally hold the toothed ends 25 of the arms 24 out of engagement with the ratchet teeth 14.

28 denotes a Y-shaped lever trunnioned in the frame 7 above the arms 24, said lever having an upwardly extending handle 29 provided with an eyelet 30. The Y-shaped lever 28 is provided with pivoted links 31 surrounding the inner ends of the arms 24 and adapted to engage the bearing lugs 26 thereof.

32 denotes a hook carried by the transverse brace 9 for engaging in the eyelet 30 to hold the lever 28 in an elevated position.

After the kettle 12^a has been raised through the medium of the gear wheels 19 and 20, shaft 15, pinion 18 and rack 13, the lever 28 is elevated to move the toothed ends of the arms 24 into engagement with the ratchet teeth 14, and by fastening the handle 29 of the lever 28 in an elevated position, the bar 10 will be supported until such time that it is desired to lower the kettle 12^a.

The kettle hanger in its entirety is made of light and durable metal and is adapted to relieve a person of considerable work in lifting a kettle and swinging the same into position over a fire.

Having now described my invention, what I claim as new, is;—

1. In a kettle hanger, the combination with, a support, a mast pivotally held by said support, and a beam carried by said mast; of a
5 frame carried by the outer end of said beam, a hanger bar movably mounted in said frame; means carried by said frame for raising and lowering said bar, and means carried by said
10 frame for locking said hanger bar in an adjusted position.

2. In a kettle hanger, the combination with a support; a mast pivotally held by said support, and a beam carried by said mast; of
15 a frame carried by the outer end of said beam, a hanger bar movably mounted in said frame; means carried by said frame for raising and lowering said bar, and means carried by said frame for locking said hanger

bar in an adjusted position, said locking 20 means including pivoted arms for engaging said bar, and a lever carried by said frame for holding said arms in engagement with said bar.

3. A kettle hanger comprising a crane, a 25 frame carried by said crane, a movable hanger bar mounted in said frame, arms pivotally carried by said frame for engaging said hanger bar, a lever carried by said frame and adapted to hold said arms in en- 30 gagement with said bar, and means carried by said frame for raising said bar.

In testimony whereof I affix my signature in the presence of two witnesses.

HENRY C. CRAMER.

Witnesses:

HARRY M. HOSTETLER,
GEORGE C. CRAMER.