(No Model.)

H. C. HART.

CASTER FRAME.

No. 383,525. Patented May 29, 1888.

Fig. 1

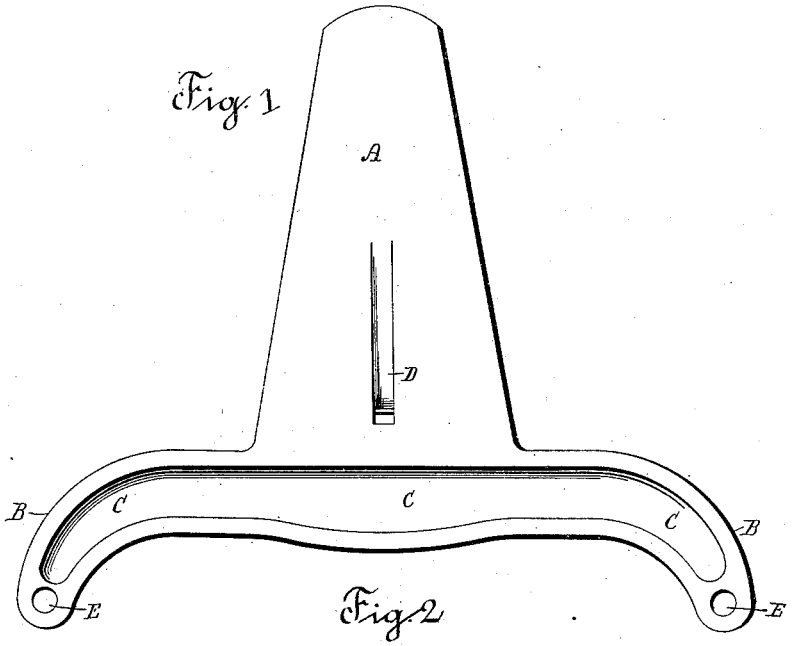
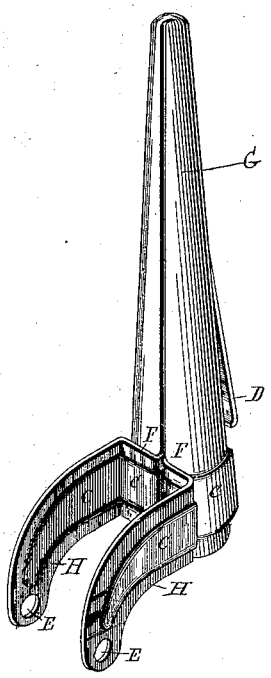


Fig. 2



Witnesses:
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UNITED STATES PATENT OFFICE.

HUBERT C. HART, OF UNIONVILLE, CONNECTICUT.

CASTER-FRAME.

SPECIFICATION forming part of Letters Patent No. 383,525, dated May 29, 1888.

Application filed November 16, 1887. Serial No. 255,317. (No model.)

To all whom it may concern:

Be it known that I, HUBERT C. HART, residing at Unionville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Caster-Frames; and I do declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in caster-frames and in blanks for producing them, the object being to produce a cheap, light, strong, and durable frame.

With these ends in view my invention consists in a sheet-metal caster-frame having its pintle and yoke-arms made in one piece, the inner portions of the latter being bent away from each other to make room for the caster-wheel between them.

My invention further consists in a blank consisting of a tapering shank and two curved arms, respectively projecting outward from the opposite edges of the widest end of the shank.

My invention further consists in certain details of construction, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in inside elevation of a blank made in accordance with my invention, and Fig. 2 is a perspective view of a caster-frame formed from such a blank.

My improved blank is made of a single piece of sheet metal, and consists of a tapering shank, A, rounded at its upper end, and of two arms, B B, curved downwardly at their outer ends and respectively projecting outward from the opposite edges of the widest end of the shank. As herein shown, the blank is developed for folding and is thereto struck up to form a continuous corrugation, C, extending across the lower end of the shank and extending into and terminating just within the outer ends of the said arms B B. The blank is also stamped to form a retaining-spring, D, from its shank, and to form perforations E E in the outer ends of its arms to receive the pin carrying the caster-wheel. A blank so shaped and developed is folded to bring the edges of its shank and the inner ends of its arms together in the same line, and bent so as to cause the inner portions of the arms to extend away from each other in opposite directions, as at F F, to make room between them for the caster-wheel and to bring their longer outer portions into parallelism. By folding and bending the blank, as described, a caster-frame having a tapering, tubular, corrugated pintle, G, and perforated corrugated yoke-arms H H, is formed. Such a caster-frame is stiff and light, easy to finish, fit up, and apply, and is capable of being produced at a low cost for stock, labor, and tools.

I would have it understood that I do not limit myself to the exact construction shown and described, but hold myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of my invention.

I am aware that a cast-metal caster having its pintle and yoke-arms made in one piece is not new. I am also aware that a caster having its yoke-arms made of sheet metal is not new. I do not therefore broadly claim a caster having its pintle and yoke-arms made in one piece, or a caster having sheet-metal yoke-arms, but only a sheet-metal caster made substantially as herein shown and described.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A sheet-metal caster-frame having its pintle and yoke-arms made in one piece, and the inner portions of the latter bent away from each other to make room for the caster-wheel between them, substantially as set forth.

2. A sheet-metal caster-frame having a retaining-spring struck up from the metal forming its pintle, which is formed in one piece with the yoke-arms of the frame, substantially as set forth.

3. A sheet-metal caster-frame having a stiffening corrugation formed in the lower end of its pintle, which is made in one piece with the yoke-arms, substantially as set forth.

4. A sheet-metal caster-frame having a continuous stiffening corrugation encircling the lower end of its pintle and extending into and terminating within the outer ends of its

yoke-arms, which are made in one piece with the pintle, substantially as set forth.

5. A blank for a sheet-metal caster-frame, consisting of a tapering shank and two curved arms, respectively projecting outward from the opposite edges of the widest end of the shank, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HUBERT C. HART.

Witnesses:
CHAS. B. SHUMWAY,
EDWARD H. ROGERS.