

(No Model.)

F. P. KELLER.
LIFTER AND CARRIER.

No. 370,949.

Patented Oct. 4, 1887.

Fig. 1.

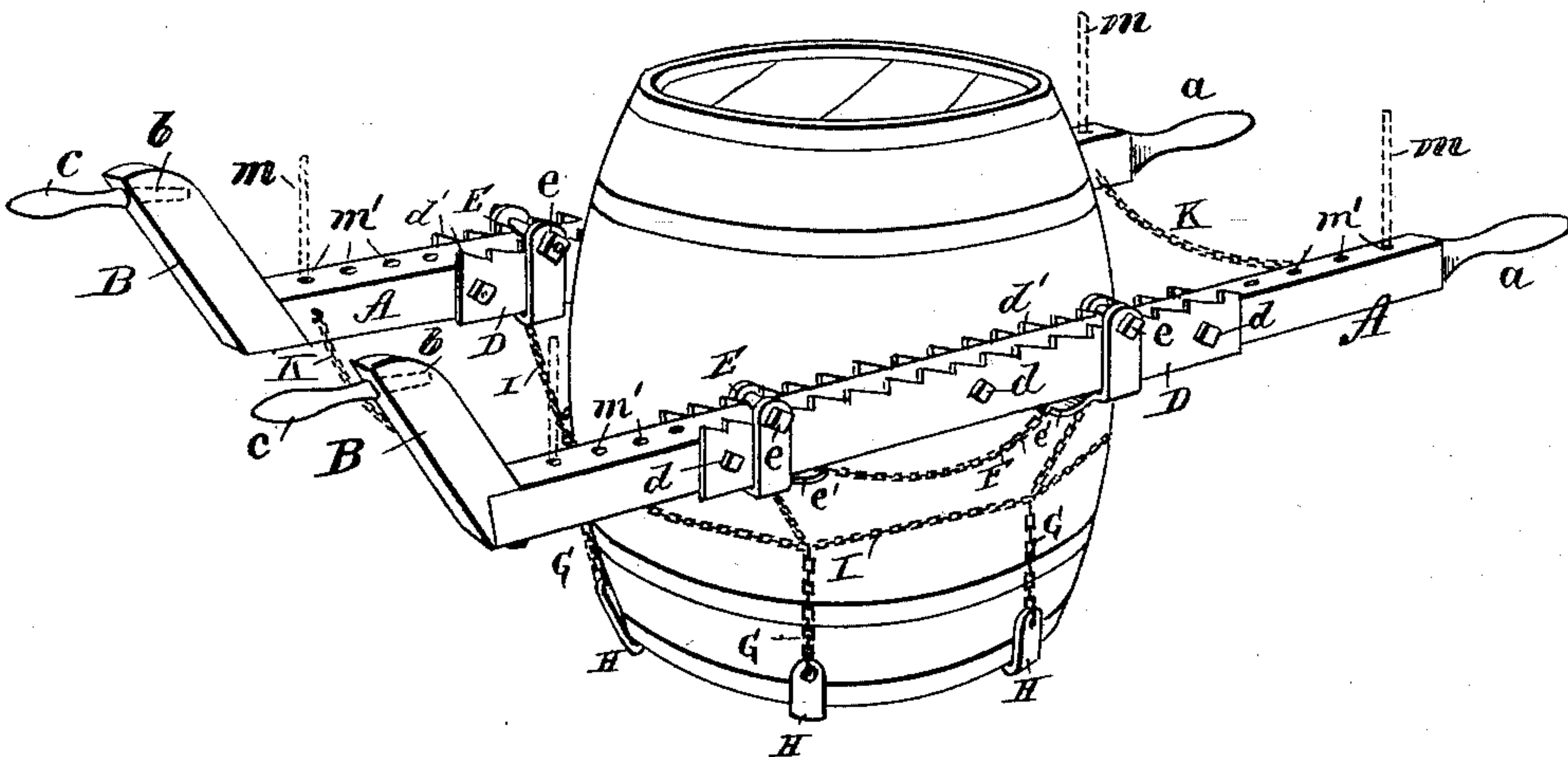


Fig. 2.

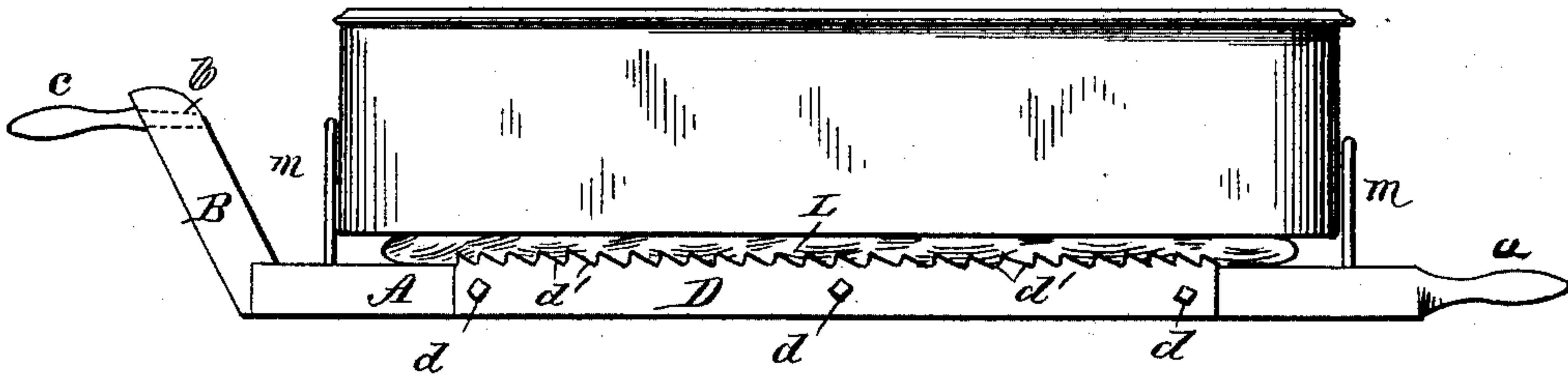


Fig. 3.

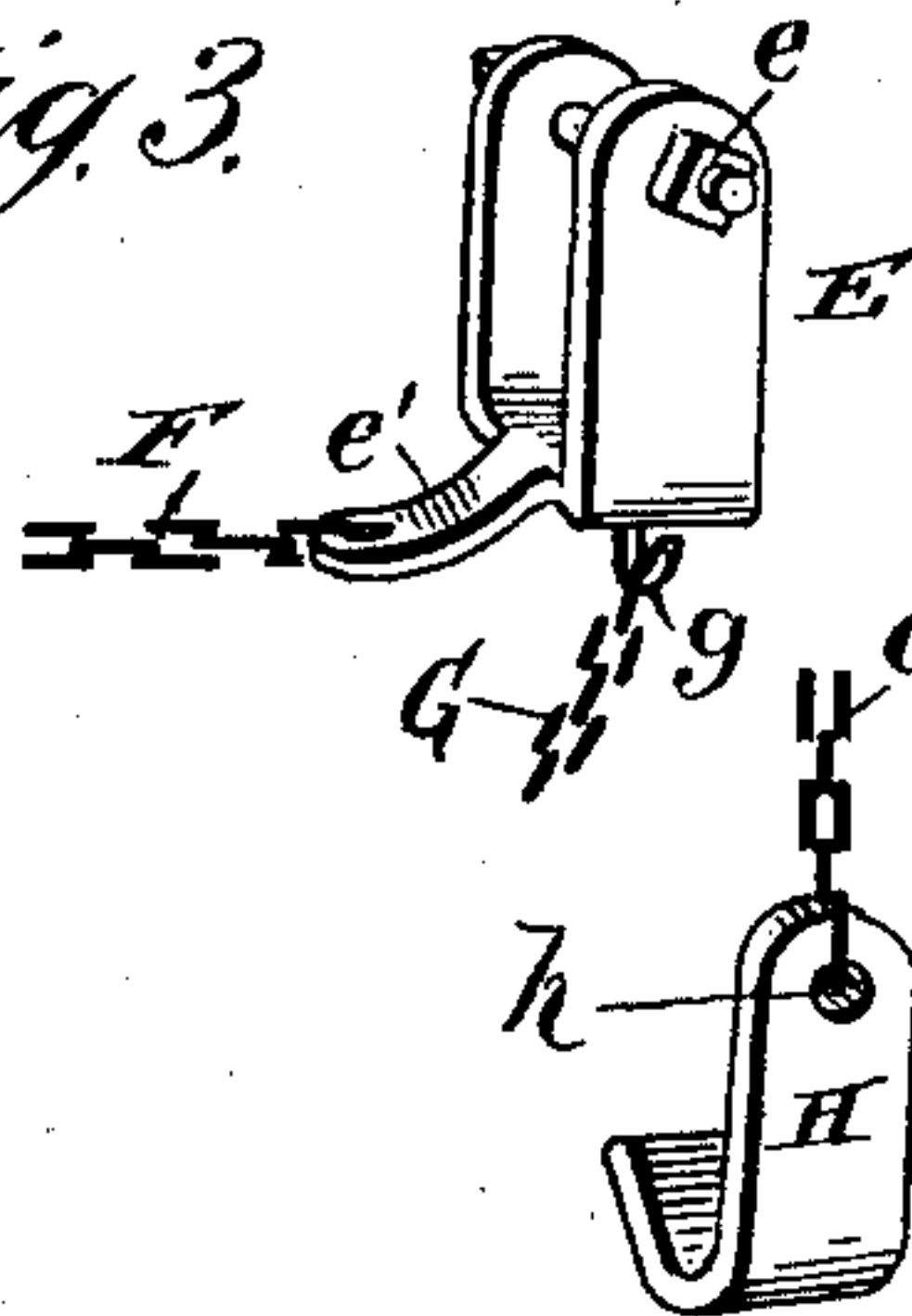


Fig. 4.

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FRANKLIN PIERCE KELLER, OF SABULA, IOWA.

LIFTER AND CARRIER.

SPECIFICATION forming part of Letters Patent No. 370,949, dated October 4, 1887.

Application filed December 9, 1886. Serial No. 221,076. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN PIERCE KELLER, of Sabula, in the county of Jackson and State of Iowa, have invented a new and Improved Lifter and Carrier, of which the following is a full, clear, and exact description.

The object of my invention is to provide a lifter and carrier for barrels, stoves, pianos, and other heavy articles which will permit of the same being lifted and carried with greater ease and less exertion than in the usual way.

The invention consists of bars provided with handles at their ends and plates having teeth, supports working on the bars, and means for suspending the article to be carried from the bars.

The invention further consists in the construction and combination of parts, all as hereinafter more fully described.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my lifting and carrying frame having a barrel in position to be carried. Fig. 2 is a side view of the frame having a piano in position. Fig. 3 is a detail view of one of the supports which work on the bars. Fig. 4 is a detail view of one of the grappling-hooks.

The bars A have the handles *a* at one end, and at the opposite ends the angular extensions B, said extensions B having apertures *b* to receive the handles *c*.

To the sides of the bars A are attached the metal plates D by means of the bolts *d*, and the upper edges of the plates D are serrated to form the teeth *d'*.

The supports E are U-shaped and have their sides perforated near the ends thereof to allow of the passage of the bolts *e*, which engage with the teeth *d'* on the plates D. The supports E are provided with arms *e'*, which are perforated near their ends to permit of the attachment of the chains F. These chains serve as a connection between the supports E to prevent their separation as well as undue sliding along the bars A. The chains G are attached to hooks *g* on the supports E. They may, however, be attached in any preferred way.

At the free ends of the chains G grappling

irons or hooks H are secured by having a link of said chain G working in perforations *h* in the grappling-hooks H. The chains G, depending from the supports E, are connected about midway between the supports E and the grappling-hooks H by the chains I, the object of which is to prevent the grappling-hooks from working around the article to which they are applied. The said chains I further act as a side support or brace to the article being carried. Thus, as in Fig. 1, a barrel is shown in position ready to be carried. The grappling-hooks H being applied to the chine of a barrel, the chains I encircle the barrel, affording a brace, and also holding the grappling-hooks H in the position placed. As the barrel is lifted or carried, so can a stove be, by placing the grappling-hooks H on the rim at the lower part of the stove.

In case an upper brace is required for a stove or barrel when carried as in Fig. 1, arms attached to the extension B and projecting diagonally to the top of barrel or stove may be used. These arms can be bolted to the extensions B, and have a chain at their free ends to pass around the barrel or stove. If a stove is found to be too large for carriage in this manner, it can be laid lengthwise of the bars and supported by the chains K, Fig. 1. Said chains K serve also to hold the bars together in their relative position to each other.

It is evident that the chains F, G, I, and K can be shortened or lengthened, as may be required.

In Fig. 2 I have shown the bars adapted for carrying a piano or any other article of furniture. For such purpose, the bolts *e* being withdrawn, the supports E, together with the chains depending therefrom, are removed and a cushion, L, placed on the bars A, to protect the piano from the teeth *d'* on the plates D; or, if desired, the plates D may also be removed by withdrawing the bolts *d*. The bars A have a series of perforations, *m'*, to receive pins *m*, which serve to hold the piano in place on the bars A.

From the foregoing it is obvious that my invention is well adapted for lifting and carrying heavy articles of household furniture and merchandise. It will also be found that the heavy strain on a person common to the

ordinary carriage of heavy articles is considerably lessened.

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

1. A lifter and carrier comprising two bars having handles on one end in the plane of the bars, upward extensions at their opposite ends, and longitudinally-extending handles projecting from the upper ends of said extensions, substantially as set forth.

2. The bars A, having the handles *a*, and the angular extensions B, adapted to receive handles *c*, in combination with the supports E and the chains G, provided with grappling-hooks, substantially as shown and described.

3. The combination, with the bars A, provided with handles at each end, of the serrated plates D, the supports E, the chains G, the chain I, connecting the chains G between their ends, and the grappling-hooks H, substantially as shown and described.

4. The combination, with the bars A, having handles *a*, angular extensions B, and perforations *m'*, of the handles *c* and pins *m*, substantially as and for the purpose specified.

5. The combination, with the bars A, having handles at their ends, series of vertical perforations *m'* near their ends, and removable ver-

tical pins *m*, of the chains K, substantially as and for the purpose specified. 30

6. The combination, with the bars A, having handles at their ends, of the supports E, chains G, and grappling-hooks H, substantially as herein shown and described. 35

7. The combination, with the bars A, having handles at their ends, of the serrated plates D, the supports E, chains G, and grappling-hooks H, substantially as shown and described.

8. The combination, with the bars A, having handles at their ends, of the supports E, chains G, having grappling-hooks H, and the connecting-chains I, substantially as shown and described. 40

9. The combination, with the bars A, having handles, of the plates D, the supports E, having the arms *c'*, the chains F G I, and the grappling-hooks H, substantially as shown and described. 45

10. The combination, with the bars A, having the handles *a*, and angular extensions B, provided with handles *c*, of the plates D, supports E, chains F, G, and I, and the grappling-hooks H, substantially as shown and described. 50

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Witnesses:

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