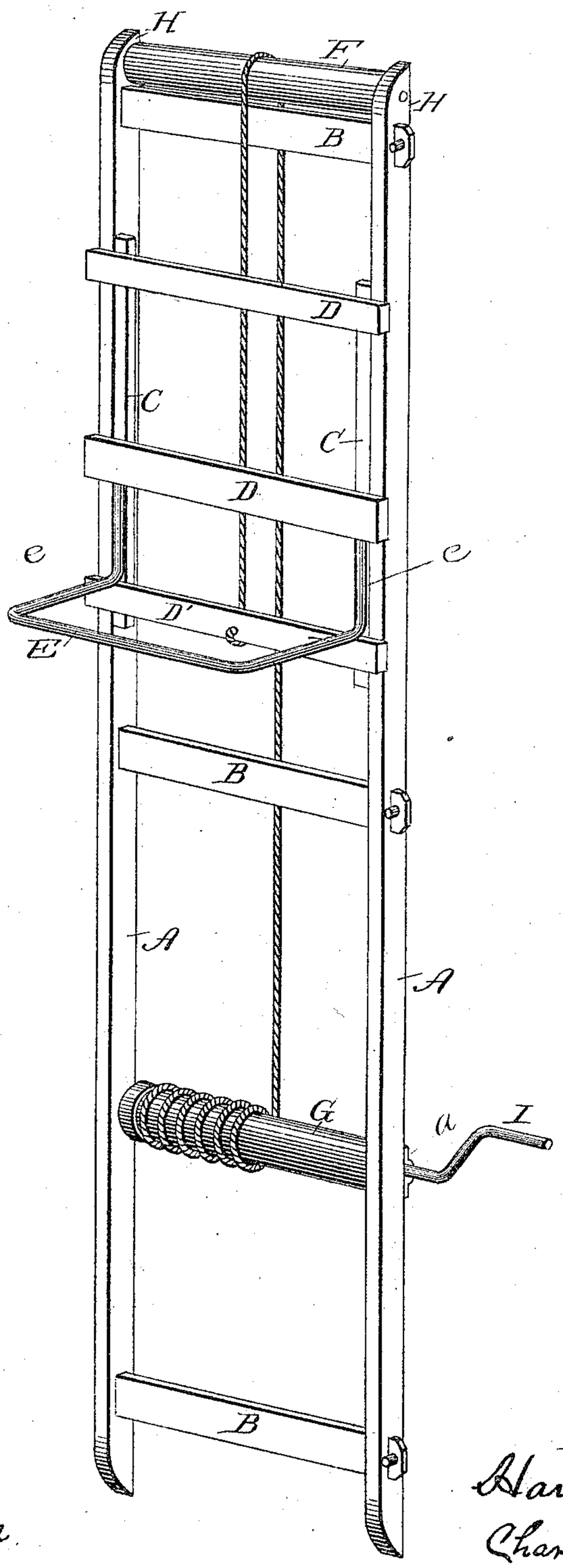
(No Model.)

H. A. CLAPP & C. F. BAKER.

ICE ELEVATOR.

No. 286,116. Patented Oct. 2, 1883.



Witnesses.
Homer J. Carr
Mann L. Carr.

Inventors
Harry A Clapp
Charles F Baker

UNITED STATES PATENT OFFICE.

HARRY A. CLAPP AND CHARLES F. BAKER, OF WHITE PIGEON, MICHIGAN.

ICE-ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 286,116, dated October 2, 1883.

Application filed June 29, 1883. (No model.)

To all whom it may concern:

Be it known that we, HARRY A. CLAPP and CHARLES F. BAKER, citizens of the United States, residing in White Pigeon, county of St. Joseph, and State of Michigan, have invented a new and useful Method of Filling Refrigerators, of which the following is a specification.

Our invention relates to a new method of filling refrigerators, in which a sliding bed (for the ice) is used on an inclined plane; and the objects are, first, to fill a refrigerator with ice quickly and easily; second, to avoid all accidents from slipping of the ice; third, to avoid handling the ice with the hands; fourth, to enable one man to do the work of two or three. We obtain these objects by the machine illustrated in the accompanying cut, which is a representation in perspective of our invention.

Referring by letter to the accompanying drawings, A A indicate the longitudinal side rails of the elevator-frame, which are of the ordinary construction, and are braced at a suitable distance apart by means of the cross-bars B, as shown. Near the lower end of this frame are secured to the said beams, bearings *a*, in which is supported the winding drum G, carrying an operating crank-arm, I. These side beams are rounded at opposite ends, as shown at H, to allow easy passage of the carriage when it has reached the top of the frame to dump its load. The carriage is composed of the vertical strips *c c*, which are designed to engage the inner sides of the rails or beams A, and the transverse bars D, that are secured to the vertical and longitudinal strips, as shown, having their ends extended to bear upon the upper edge of the said beams A.

E indicates the back of the carriage, which is constructed of a bar of metal by bending it in a rectangular form, and which extends vertically at right angles to the carriage-bed, and bent arms *e e*, which are flattened and secured to the side strips, *c*, by means of screws or other suitable fastening devices.

Heretofore elevators have been constructed in which the frames were provided with a crown-pulley and a winding-drum to operate the carriage by means of a rope; but the carriages employed are of a different construction from ours. Our carriage is light, simple in construction, and much easier to operate than those at present in use.

What we claim as our invention, and desire to secure by Letters Patent, is—

In an ice-elevator, the carriage composed of the longitudinal strips *c c*, cross-bars D, and the rectangular metallic back E, provided with the arms *e e*, which are flattened, and secured to the said longitudinal strips as shown, in combination with an inclined plane or frame having a winding-drum and pulley, substantially as specified.

H. A. CLAPP.
CHARLES F. BAKER.

Witnesses:
HOMER J. CARR,
MARION L. CARR.