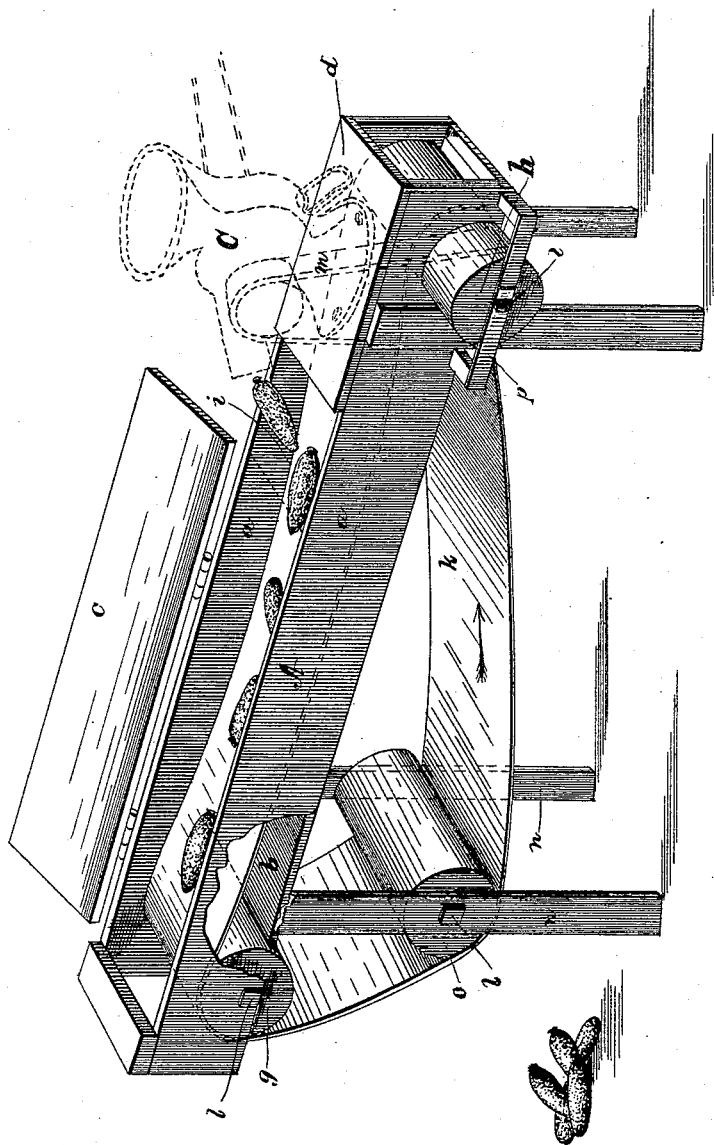


(No Model.)

F. IRWIN.  
CARRIER FOR COBS.

No. 346,919.

Patented Aug. 10, 1886.



WITNESSES.  
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*E. M. Steward*

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*by A. P. Steward*  
*Atty.*

# UNITED STATES PATENT OFFICE.

FRANK IRWIN, OF CENTREPORT, NEW YORK.

## CARRIER FOR COBS.

SPECIFICATION forming part of Letters Patent No. 346,919, dated August 10, 1886.

Application filed February 27, 1886. Serial No. 193,460. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK IRWIN, a citizen of the United States, residing at Centreport, in the county of Suffolk and State of New York, have invented certain new and useful Improvements in Carriers for Cobs; and I do hereby 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.

My invention relates to that class of devices used for removing the cobs discharged from a corn-sheller to a distance therefrom; and it consists in certain features of construction, hereinafter described, and pointed out in the claim.

The figure in the accompanying drawing shows the machine in perspective, certain parts being broken away to disclose others behind them.

A represents a box or trough, through which cobs are to be carried, which is so located as respects the sheller C that the cobs fall therein at one end. The trough has sides *a*, and a bottom, *b*, which is somewhat shorter than the trough, thus leaving spaces at either end for the pulleys *g* and *h*, over which passes the carrier-belt *k*. It also has a cover, which comprises two parts, *c* and *d*, separated so as to form an opening, *i*, for the entrance of the cobs falling from the sheller. The part *c* is hinged to give the operator access to the interior of the trough when necessary. The pulleys are wooden cylinders having holes lengthwise through them to receive the axes *l*, upon which they revolve, and which are securely fastened to prevent turning. The axes *l* are in line with the bottom of the trough, that is in the lowest possible position, so that the said bottom is close to the belt *k*, thus preventing said belt from sagging under the weight of the cobs.

Pulleys located in line with others over which a belt passes have heretofore been used to prevent the belt from sagging; but these pulleys failed to perform any other office. The bottom of my trough not only supports the belt, but serves to impart rigidity

to the trough. The axis for the pulley *g* is preferably supported at both ends in the sides *a* of the trough A, while the axis of the pulley *h* is supported at one end in one side of said trough, and at the other end is a suitable support, *p*, exterior thereto, the latter pulley extending outward some distance, so as to receive the driving-belt *m*, which passes over a pulley on the sheller-shaft or other suitable pulley. A driving-pulley thus formed is more easily constructed than one that is fixed to a shaft having a second pulley for the reception of a driving-belt. My pulley serves two purposes, being long enough to receive both the driving-belt and the carrier-belt. Below the pulley *g*, and supported on an axis passing through the legs *n*, is a third pulley, *o*, similar to the pulleys *g* and *h*, and designed to hold the otherwise loose belt at a tension. The belt is loose, so that the machine may be run by hand when desired, and is composed of heavy duck or other suitable material. The axes are preferably made of wood for cheapness, and are smaller than the holes in the pulleys, so that the latter may readily turn thereon.

The extreme end of the machine is higher than that nearest the sheller, so that a large quantity of cobs may be deposited on the ground below it before piling so high as to interfere with the discharge of the cobs therefrom.

In the operation of the device the cobs fall from the sheller upon the carrier-belt, which, being in motion, moves them through the trough and discharges them from the elevated open end thereof, and upon the ground.

Heretofore carriers similar to mine in their general features have been constructed and used in connection with corn-shellers; but such carriers are specifically different from my device, which is defined in the claim appended to this specification.

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

The hereinafter-described carrier for cobs, comprising the following elements and features, viz: the trough A, bottom *b*, of less

length than said trough and rigidly secured  
to the sides thereof, the hinged cover *c*, axes  
*l*, passing through the trough at each end  
in line with the said bottom, the pulleys *g*,  
5 *h*, and *o*, mounted thereon, the pulley *h* being  
longer than the others and extending through  
one side of the trough, and the belt *k*, sub-  
stantially as described.

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

FRANK IRWIN.

Witnesses:

JAMES M. BRUSH,  
IRVING E. BRUSH.