

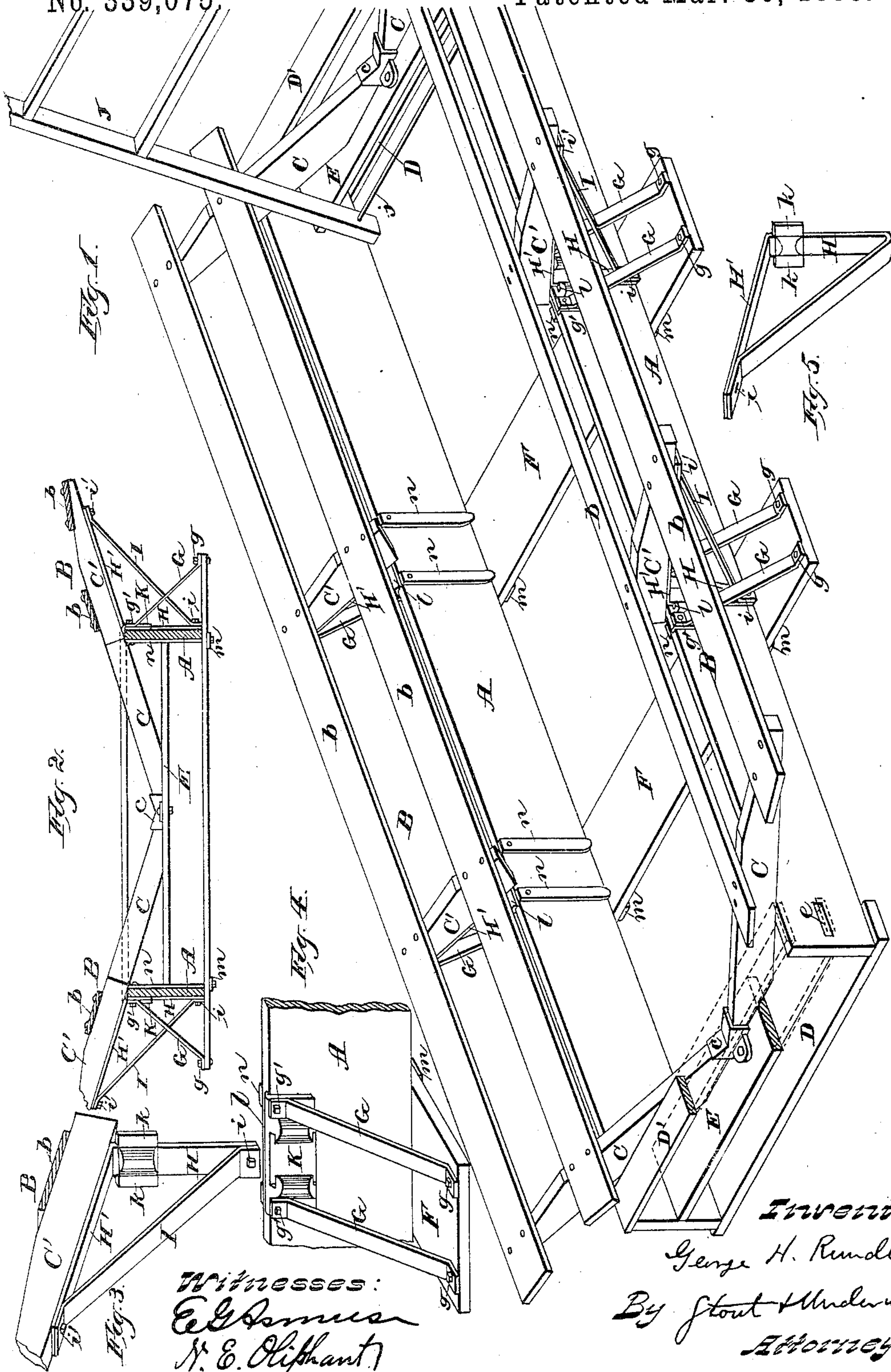
(No Model.)

G. H. RUNDLE.

HAY RACK.

No. 339,075.

Patented Mar. 30, 1886.



Witnesses:
E. G. Barnes
N. E. Oliphant

Inventor:
Gerge H. Rundle
By stout & Underwood
Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE H. RUNDLE, OF PALMYRA, WISCONSIN.

HAY-RACK.

SPECIFICATION forming part of Letters Patent No. 339,075, dated March 30, 1886.

Application filed January 13, 1886. Serial No. 188,385. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. RUNDLE, of Palmyra, in the county of Jefferson, and in the State of Wisconsin, have invented certain new and useful Improvements in Hay-Racks; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to hay-racks; and it consists in certain peculiarities of construction, as will be hereinafter described with reference to the accompanying drawings, in which—

Figure 1 represents a perspective view of my invention; Fig. 2, a transverse section; and Figs. 3, 4, and 5, detail views.

A represents longitudinal sills forming the vertical stationary sides of my hay-rack, said parts being united at their front and rear ends by transverse top and bottom sills, D D', and centrally located between these latter sills are transverse brace-pieces E, the ends *e* of which are mortised in the extremities of the parts A. The transverse sills D D' and brace-pieces E have their outer edges flush with the ends of the longitudinal sills A; but said brace-pieces, being of greater width than the parts D D', are inwardly extended and centrally provided with double socket-plates *c*.

Secured to the inner sides of the longitudinal sills A are straps *n n*, which have their lower ends passed through intermediate transverse sills, F, and adapted to receive nuts *m m*, said intermediate sills being laterally extended beyond the outer sides of the parts A.

By having the intermediate cross-sills upon the under side of the stationary or body portion of my hay-rack a clear uninterrupted space is left therein from front to rear, thereby doing away with the ordinary cross-braces, and leaving no projections to come in contact with the forks in loading and unloading, and at the same time increasing the carrying capacity of my rack.

B B represent removable hay-supporting frames, which are composed of long end braces, C, short intermediate braces, C', and slats *b b*, the inner ends of said end braces being constructed to fit the socket-plates *c*, and having a bearing on the inwardly-extended portions of the transverse brace-pieces E. The several braces of the racks B bear upon the upper edges

of the longitudinal sills A when said racks are in position for use, and each of the intermediate braces, C', has secured thereto the arm H' of a triangular bracket. The arms H' H of the triangular brackets are united at *i i'* by an arm, I; or, if desired, each bracket may be formed from a single strip suitably bent and joined, as shown by Fig. 5.

The vertical arms H of the triangular brackets are each provided with lateral wings *k k*, designed to engage socket-plates K, which latter have lips *l*, adapted to come over upon the upper edges of the longitudinal sills A. These socket-plates are retained in position upon the outer sides of the longitudinal sills A by means of straps G, bolted at *g* to the intermediate bottom sills, F, and at *g'* to said plates, the bolts at the latter point being the same that serve to retain the straps *n n* in place upon the inner sides of said longitudinal sills, and which pass through the respective parts A K *n*.

By having the end braces, C, of the racks B adapted to fit the socket-plates *c* on the parts E, and the vertical bracket-arms H of the intermediate braces, C', designed to engage the plates K on the outer sides of the longitudinal sills A, said racks can be readily placed in position for use and as readily removed.

The ladder J is of the ordinary construction, and is pivotally supported upon a transverse rod, *j*, so as to be folded down between the longitudinal sills or stationary sides A when not required for use; or, if desired, the rod may be withdrawn and said ladder entirely removed. By having the interior of the main portion of my rack unobstructed from front to rear and the frames B and ladder J removable, said main portion can be readily employed as a wagon-body for carrying various materials other than hay or straw, it being only necessary to place suitable boards upon the transverse sills D F in order to accomplish the above-described result.

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

In a hay-rack, a main body portion consisting of longitudinal side sills having their ends united by top and bottom transverse sills and interposed inwardly-extended brace-pieces, the latter centrally provided with double

socket-plates, in combination with intermedi-
ate laterally-extended transverse sills secured
against the under edges of said longitudinal
sills, and removable side frames having their
5 end braces designed to engage the socket-
plates on the interposed brace-pieces, sub-
stantially as set forth.

In testimony that I claim the foregoing I

have hereunto set my hand, at Milwaukee, in
the county of Milwaukee and State of Wis- 10
consin, in the presence of two witnesses.

GEORGE H. RUNDLE.

Witnesses:

H. G. UNDERWOOD,
MAURICE F. FREAR.