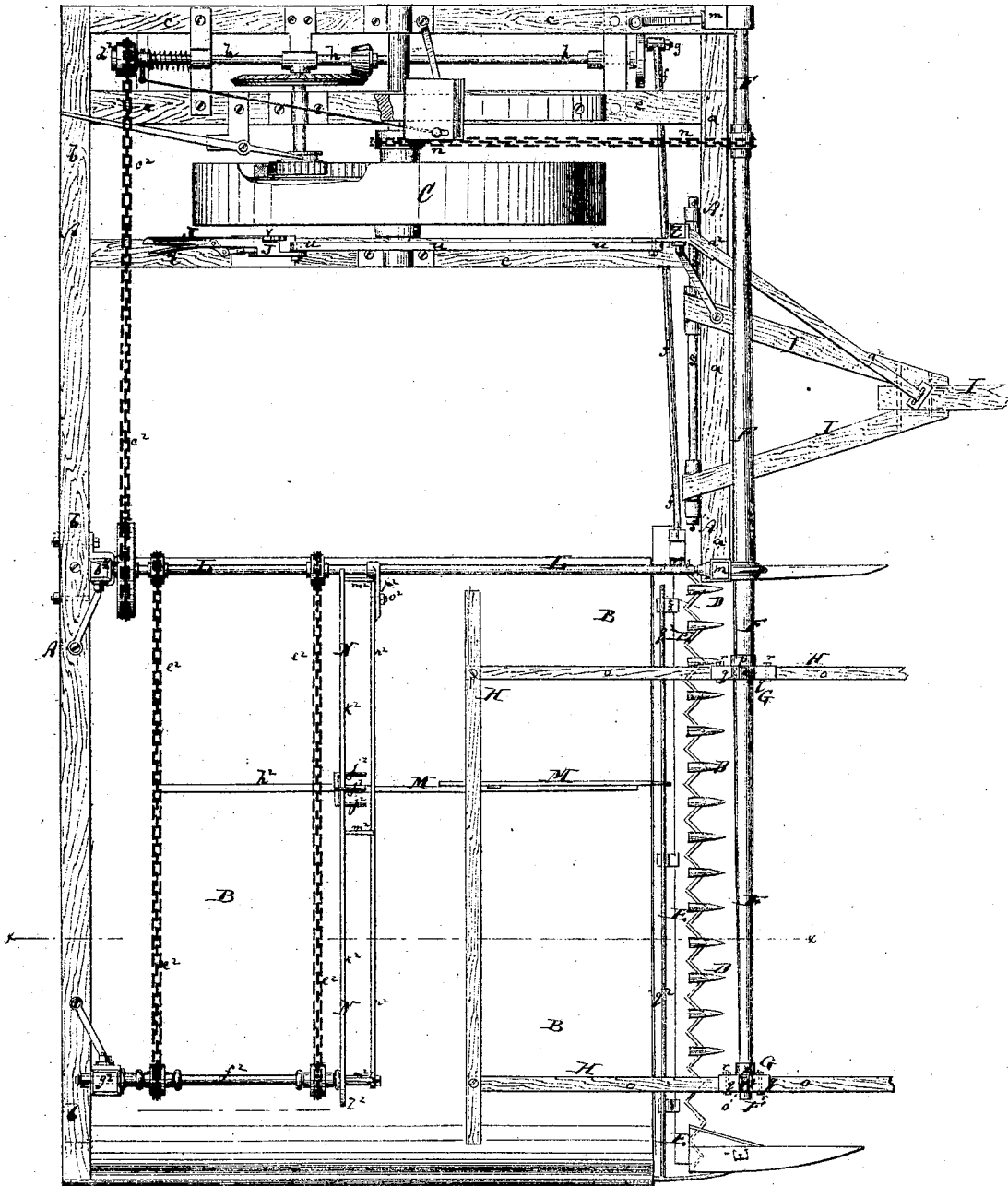


E. H. RUWE.

Improvement in Harvesters.

No. 123,645.

Patented Feb. 13, 1872.



Witnesses:

Chas. Nida.
Wm. H. B. Smith.

Inventor:

E. H. Ruwe.

PER

Munnell

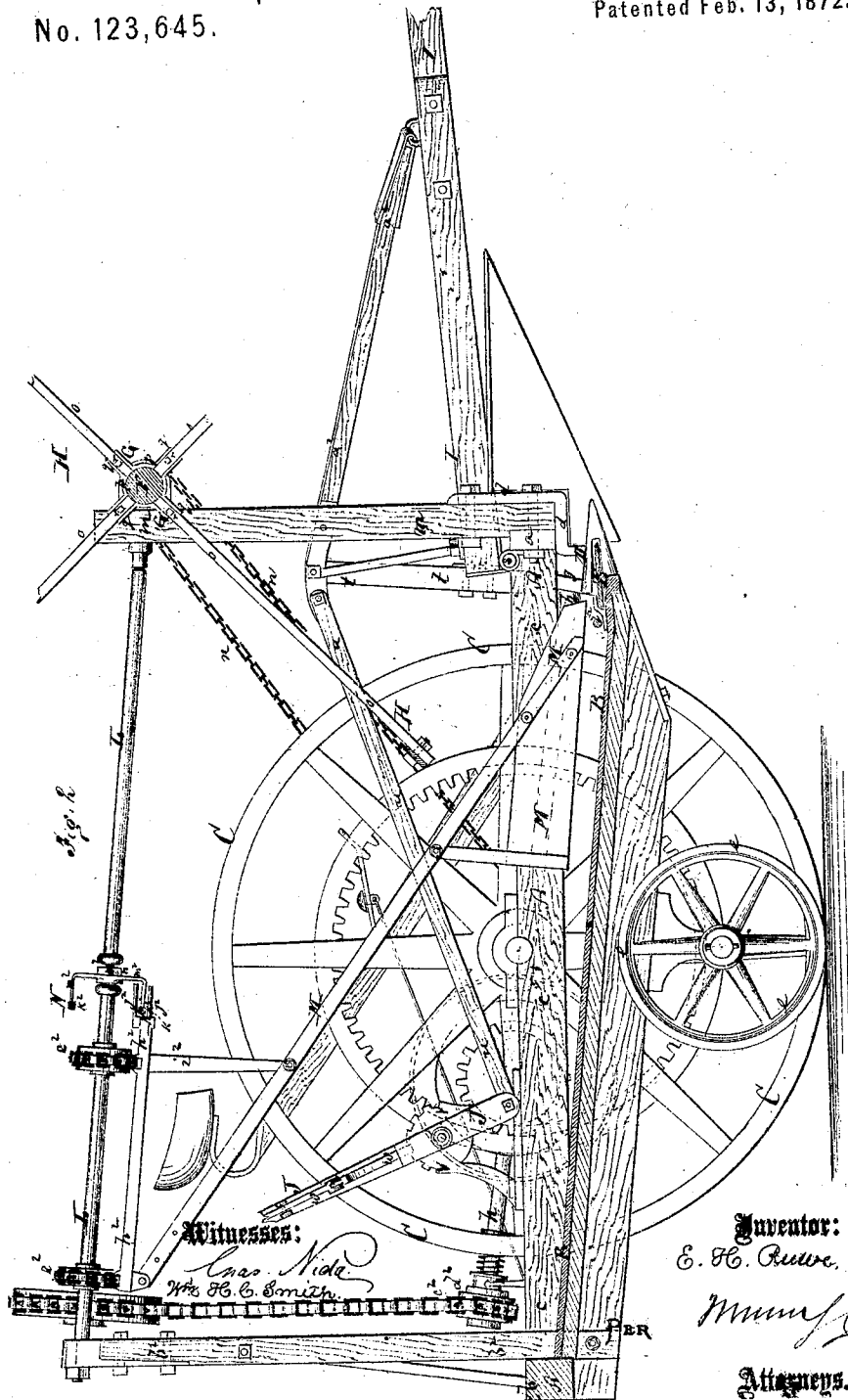
Attorneys.

E. H. RUWE.

Improvement in Harvesters.

Patented Feb. 13, 1872.

No. 123,645.



Witnesses:

Geo. Nida
Wm. H. C. Smith

Inventor:

E. H. Ruwe

Munn & Co

Attorneys.

UNITED STATES PATENT OFFICE.

ERNST HENRY RUWE, OF WALCOTT, IOWA.

IMPROVEMENT IN HARVESTERS.

Specification forming part of Letters Patent No. 123,645, dated February 13, 1872.

Specification describing certain Improvements in Harvesters, invented by ERNST HENRY RUWE, of Walcott, in the county of Scott and State of Iowa.

My invention consists in the improvement of grain-harvesters, as hereinafter fully described and subsequently pointed out in the claim.

Figure 1 of drawing represents a plan view of a harvester; Fig. 2, a vertical and transverse section thereof through line *xx* of Fig. 1.

A represents the harvester-frame, composed of beams *a b c*; and B is the platform, having shoe *d* and wheel *e* thereunder. C is the driving-wheel, D the finger-bar, and E a cutter-bar having mechanism *f g h* to connect it with driving-wheel. F is the reel-shaft, G the hubs thereon, and H the reel. I is a tongue, pivoted to frame and movable by mechanism *t u* J. M is a revolving rake or scraper, having the mechanism *e² f² g² h² i² j²* to carry it over the double track *N k² l² k² n²*. E' is the divider. The platform B is projected beyond the divider and is turned upon a curve corresponding to the orbit described by the passing scraper. By this construction not only is an auxiliary

divider furnished which will press the standing grain out of the way of the revolving rake, but an extension which effectually prevents, by its acclivity, the straw from working over the edge of the platform. The rod *g²*, being placed longitudinally across the platform and directly in the rear of the cutter-bar, holds up the butts of the straw and prevents the scraper from passing over them. The cross-bar *h²*, with its fingers and the double rail N, causes the endless chains to move uniformly and without wobbling.

Having thus described all that is necessary to a full understanding of my invention, what I esteem to be new, and desire to secure by Letters Patent, is—

In a grain-harvester, the revolving rake or scraper M, the platform B having projecting and curved end, the elevated guide-rod *g²*, and the reel H, all combined, constructed, and arranged as and for the purpose specified.

ERNST HENRY RUWE.

Witnesses:

CASPER H. ORTMAN,
GEO. W. MABEE.