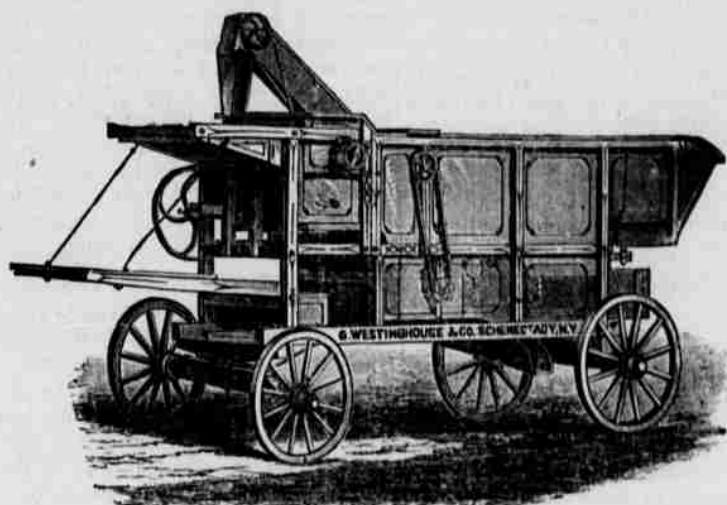
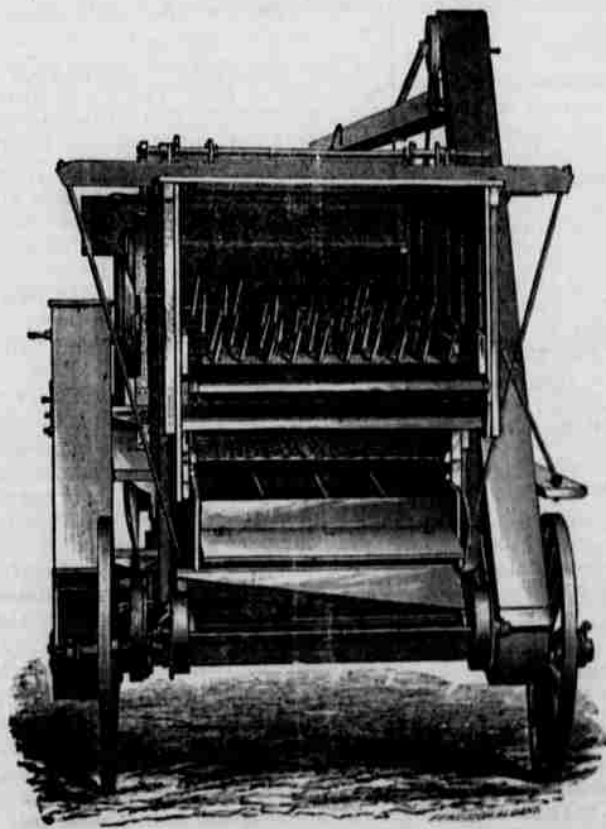


Westinghouse Horse Power--(8 or 10-horse.)



Westinghouse Thresher.



End View of Westinghouse Thresher, showing interior arrangement.

IMPROVEMENT

Ought to be the Motto of all Manufacturers.

SUCH HAS BEEN THE MOTTO OF THE FIRM who manufacture the Thresher and Horse Power, illustrations of which we give on this page. Until within comparatively few years, the prevailing plan of SEPARATING and CONVEYING the grain after passing the cylinder was by the use of endless aprons and belts, and there are still large numbers of this style of machine being made. They are known as "Endless Apron or Belt Machines."

In the Thresher here represented, the separating and conveying apparatus is composed of horizontal platforms or tables which have a reciprocating or vibrating movement, known as the "Vibrating Separator." The manufacturers of this having made both the "Endless Apron" and "Vibrating Separator" machines, have had excellent opportunities for determining the comparative value of each, and their having adopted the "Vibrating Separator," is conclusive evidence of a partiality to that style and of having considered that their interests were to be promoted in giving it the preference. A better separator, one more easily managed and less in order and less complication of the working parts, are the actual advantages gained by this plan.

This machine has also many other improvements not found in others. We can name only a few in this article.

Having improved Patent Bars in the Cylinder and Concase by which the Spikes or Teeth are prevented from coming loose, saving a great amount of annoyance, loss and breakage.

Having an improved "Swing Gear" with it, the Horse Power may be set at any angle with the Thresher within a half circle, and be quickly adjusted and secured to such position.

The Mounted Horse Power is an improved Triples Gear Lever Power. The Powers are thoroughly made, and instead of casting the Journals and Bearings for the gears, (as is many times done), every hole or bearing is located and bored by templates, thus securing uniformity in their construction and avoiding any unnecessary friction.

The Sweepers or Levers are so arranged that they require no bolting to hold them to their bases and may be instantly placed or removed without the use of any tool. The grating is a solidly encased in a metallic case, securing it from all dust. This case is not shown in our illustration.

The Separators are also made to be run by an engine, and the manufacturers also make an Engine for Agricultural purposes, illustration of which we have not space for. The special points of interest in these are their light weight, economy of fuel and water, safety from fire, and durability.

The proposed purchase of so important and expensive a machine as the modern Grain Thresher, naturally calls forth a desire on the part of the purchaser to ascertain what has been done by the different manufacturers to improve their machines. Durability, capacity for threshing, separating and cleaning, in connection with the least possible complication consistent with effective results, are the essential elements of a good machine, and are the points the manufacturers have aimed to combine in the ones we offer for consideration.

The manufacturers are—

GEO WESTINGHOUSE & Co., Schenectady, N. Y.

Their representatives for the State of Oregon, and Washington and Idaho Territories, are the well-known firm of

E. J. NORRHUP & Co.,

Cor. of First and Main Sts.,

Portland, Or.

Circulars, with fuller description, will be sent to parties applying for them by letter or postal card.

We also refer persons, thinking of purchasing, to the following parties who purchased, or employed those who had purchased, in their threshing during the seasons of 1877, 78 and 79.

- | | |
|-------------------------|---------------------|
| Angus and John H. Shaw, | Annville, Or. |
| John Craig, | " |
| David Craig, | " |
| Walling Brothers, | Amity, Or. |
| Wm. Ryan, | Independence, Or. |
| Wm. Walker, | West Chester, Mo., |
| James D. Carter, Jr., | " |
| Wm. Porter, | Aumsville, Or. |
| J. H. Porter, | " |
| H. C. Porter, | " |
| Wm. Malone, | West Chester, Mo., |
| James M. Conlee, | " |
| J. J. Wright, | Amity, Or. |
| Wm. Vanbuskirk, | " |
| Hon. Ira M. Townsend, | Perrydale, Or. |
| Henry Smith, | Aumsville, Or. |
| J. G. McClary, | Perrydale, Or. |
| J. H. Downing, | " |
| James Hereford, | Turner, Or. |
| James M. Johns, | Marion, Or. |
| J. P. Anderson, | " |
| R. W. Reynolds, | Gangesville, Idaho. |
| J. A. Swartz, | " |
| U. M. Day, | " |