

reaping attachments are entirely independent of each other. Notwithstanding this, the change from the reaper to the mower, or vice versa, is effected in a few minutes, it being only necessary to loosen a few bolts, and substitute the one attachment for the other. One great peculiarity of this machine is the position of the Cutter-bar, or Finger-bar. It is hung at the hind end of the frame, back at the centre of the drive-wheels about twenty-two inches. The advantages of this position Mr. Hall thus sets forth:—

1st. It gives the driver the fullest opportunity to see obstructions before the guards or knives strike them.

2nd. It avoids the danger of a fractious or frightened horse backing his heels against the guards or knives.

3rd. By reason of the sitting direction of the draft and the sled-shaped bottom of the drag bar, it rises better out of deep furrows, ditches, and over ant hills and logs.

4th. It avoids the necessity of a little truck wheel to carry it, which does not run so steady, nor goes over the cut grass so well as a slide, nor turn a short corner so well.

5th. It does not draw down upon the horses' necks at all, but is carried by the drive-wheels when its weight is used for power.

6th. It is the only position to make a good reaper.

The cutter-bar in this machine is so attached to the frame by hinge-joints, that it is perfectly controlled by a lever in the hand of the driver when in his seat, so that he can raise it over stones, stumps, sticks, or other obstructions, while in motion. He can also set it by a screw to cut high or low, and can easily fold it up to pass through narrow gates, or travel upon the road. By referring to the cut accompanying Mr.

full-sized mower. To those who, for any reason, require or prefer a mower alone, we would strongly recommend the "Ohio Junior," also manufactured at these works. It strikes us as a model of simplicity, lightness and cheapness. We present herewith a cut of this beautiful little machine. Its draught is only 170 lbs., and its cash price is \$85. It will do nearly as much work in a day as the full-sized mow-

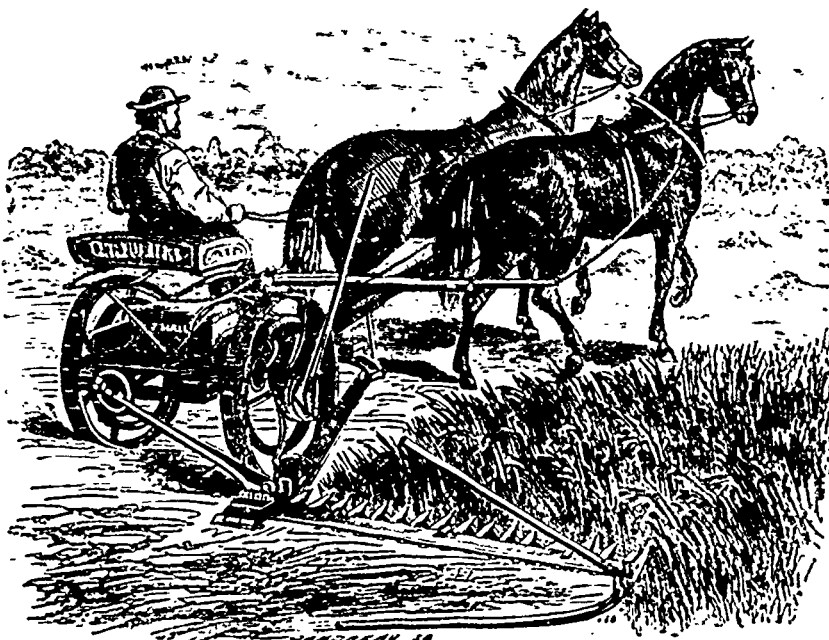
and separate clover seed clean for market, direct from the straw, by once going through.

In conclusion, we must add a word or two respecting Mr. Hall's Threshing Machines. They have more than once been adverted to in these columns, by correspondents who have tried them, and who give them the highest praise. Some valuable improvements have been introduced this season, of which the manufacturer speaks in the following manner, in his illustrated catalogue, which all who desire further information about any of these implements can obtain on application.

"They consist in giving greater length to the extra belt, thereby preventing the possibility of an grain being thrown over even with the utmost crowding. A deck is also added to the machine, so that the dust is confined until it leaves the barn, thus adding much to the comfort of threshing, as well as preserving the machine when exposed to a storm. I have also enlarged the size of my fanning mill and shoe giving the machine greatly increased separating capacity, and enabling it to separate the grain thoroughly as fast as it can be passed through the cylinder. As an evidence of the capacity of my improved machines, I would mention that the purchaser of the only one of this style manufactured by me last season, and upon which I received the first premium

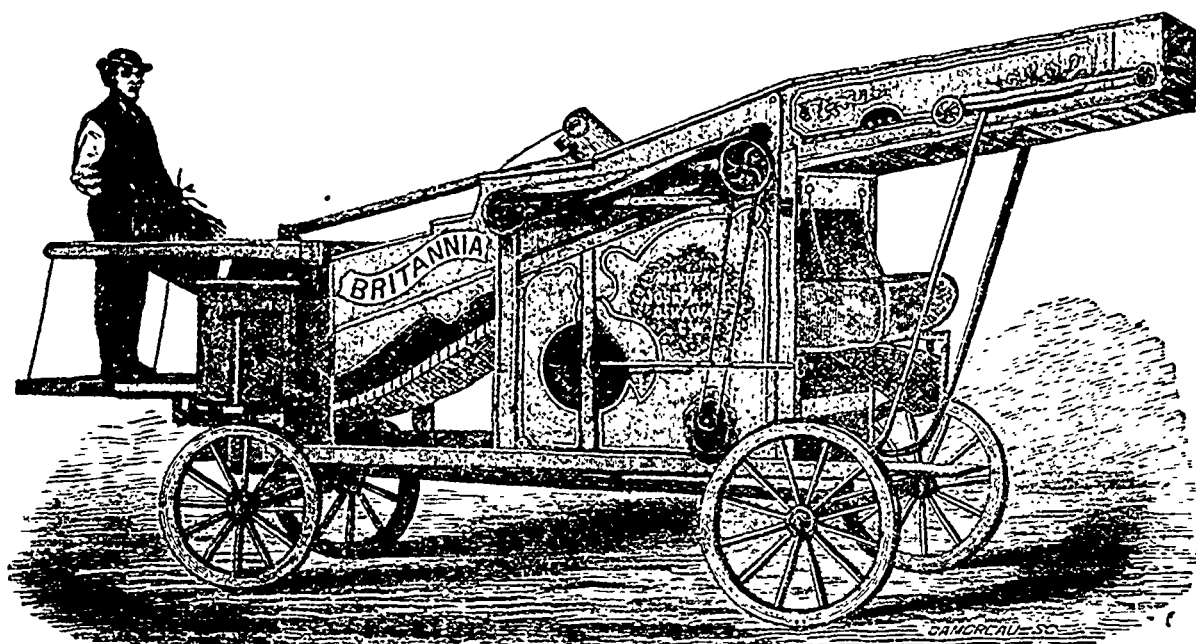
at the Provincial Exhibition held at Kingston, recently informed me that he had threshed three hundred bushels of spring wheat with it in three consecutive hours."

The subjoined cut exhibits the Improved Separator, and it would seem to be the *ne plus ultra* of threshing machines. We cannot close this notice of an establishment which is alike creditable to the proprietor and to Canada, without advertising to the



ers, from its lightness and the speed at which it may be wrought. Though made for two horses, it is quite capable of being worked by one able horse.

In reference to horse-powers, it may be stated that Mr. Hall manufactures five—the "Improved Pitts," "Planet," "Pelton," "Hall," and "Woodbury" powers. He considers the "Improved Pitts" the best, as it is strong, durable, simple, not liable to get



Hall's advertisement, on the last page of No. 9 of this journal, our readers can form a pretty good idea of the appearance of this machine as a mower.

It must be obvious that a combined machine which is equally effective as a reaper and mower, has a decided advantage in respect both to cheapness and convenience. The cash price of Ball's Ohio Reaper and Mower Combined is \$140, very little more than a

out of order, or break, and when a breakage does occur, it is not often of a serious character. The clover mill made at these works is "Birdsell's Combined Clover Thresher, Huller and Cleaner." This mill has taken first prizes at all Fairs where it has been exhibited, both in Canada and the United States. It was awarded the first prize at each of the last two Provincial Exhibitions. It will thresh out

order and clock-work regularity with which every thing is managed, as well as the thorough business like energy of the gentleman in charge, Mr. F. W. Glen, who, aided by his brother, and by competent foremen in every department, have made it indeed a model concern. We advise all our readers who can do so, to visit these works, and assure them that they will receive a cordial welcome, and most polite attentions.