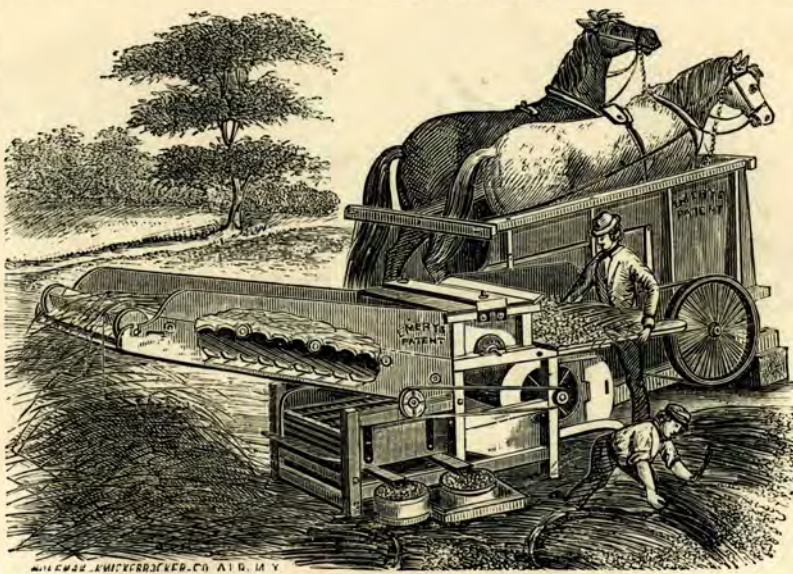




THRESHER AND CLEANER COMBINED.

EMERY BROTHERS,

ORIGINAL AND SOLE PROPRIETORS OF THE

ALBANY AGRICULTURAL WORKS,

52 STATE STREET, ALBANY, N. Y.

EMERY'S PATENT RAILROAD HORSE POWER,

ACKNOWLEDGED by every Agricultural Society and Association for Improvement of Agricultural Machinery, to be superior in plan of construction and ease of operation as well as utility in being adapted to all the various forces and velocities where desirable to apply the power of horses.

This power is unequalled by any other in the country in its workmanship, and much better finished this season than heretofore.

Their THRESHER and SEPARATOR also has been improved, by making them all both right and left handed, and using an iron balance band wheel for crank which drives the Separator, and long sill or base timber into which the bottom of legs of its frame are made permanent. These improvements, together with iron heads instead of wood, to their cylinders, and their cylinders being balanced under a velocity double what is required for threshing, make them more valuable and efficient.

Their THRESHER and CLEANER, as now constructed, is the most desirable machine ever invented for the purpose of threshing and cleaning grain at one operation, and at the same time adapted for two horses. This force is found to be capable of threshing and cleaning, with the same ease to men and team, the same amount of grain as can be threshed by the ordinary Thresher and Separator, and to do it in as good style as any of the large machines in use in the country.

It is entirely free from objections which obtain generally in such machines. It saves all the grain, will not break the kernel, cleans at one operation, delivers grain on either side as desired, and may be driven and fed from either right or left hand side.

The other machines manufactured by them are warranted superior to the best of other makers; and in this connection they would state that their Horse Powers, their Threshers or their Cleaners, are worth to the farmer using the same, 50 per cent. more than those of any other makers, and sold at even prices, in this country.

Full Descriptive Illustrated Priced Catalogues furnished gratis to all applicants enclosing a three cent postage stamp to pay its postage. Agents solicited, and liberal commissions made on all sales.

EMERY BROTHERS, Sole Proprietors of the Albany Agricultural Works,

52 STATE STREET, ALBANY.

[SEE NEXT PAGE.]



OVERSHOT THRESHING MACHINE WITH VIBRATING SEPARATORS.

EMERY BROTHERS,

ORIGINAL AND SOLE PROPRIETORS OF THE

ALBANY AGRICULTURAL WORKS,

52 STATE STREET, ALBANY, N. Y.

EMERY'S PATENT HORSE POWERS

Are closely imitated and offered in various markets for sale, and not unfrequently as of the genuine manufacture, which not unfrequently has the intended effect to palm off a much inferior article as the genuine, and by holding out greater inducements to dealers in way of commissions, (which the profits of the genuine article cannot afford,) induce such agents thereby to purchase the inferior and infringing machine for sale to their unsuspecting customers, as well as many other articles, in imitation and in violation of the Patent Rights of the Proprietors of these works, for which suit for damages for said infringements has been commenced in the United States Courts, before whom the case will be tried on its merits as soon as it is possible or practicable.

To distinguish EMERY'S PATENT IMPROVED HORSE POWERS from all others, it is only necessary to examine the following points, all of which are important, and give to them their world-wide reputation; *none of which are found in other powers.*

All the castings have the words EMERY or EMERY'S PATENT in raised letters on them.

The small shafts of the endless chain have a double shoulder turned upon them — the outer one for keeping the small wheels apart and on the track, and from wearing against the links of the chain.

The several gears and pulleys are all confined to their shafts by substantial couplings, with large screws and nuts upon the outside, similar to that upon a wagon axle.

The gears and pulleys can be transposed, and thereby produce several degrees of force and motion required for different purposes; also for making it a right or left-handed power; all of which is done by the simple process of removing the nuts and changing the gears and pulleys, *(while with others it is necessary to remove and reverse the shafts themselves, and for end, to change it from right to left, and without the means of varying their force and motion.)*

They are also constructed with a complete circuit of heavy cast-iron track, which is not the case with others.

The foregoing will enable any person to distinguish readily the genuine machines — the extra cost of such construction exceeding at least 10 per cent. that of any similar machines in the country.

Their Threshers and Separators are still more expensive and perfect in their construction, the differences often producing results from 50 to 100 per cent. greater than the best of others of similar construction, even when both kinds are driven by the SAME HORSE POWER.

They are all made right and left-handed, and may instantly be so changed.

The pulleys for the cylinder are provided with spring ratchets, and while they drive in one direction they move freely upon the

shaft in the opposite; thus allowing the HORSE POWER to be stopped instantly and easily, without straining the band or gearing, the cylinder being free to run until it loses its momentum.

The Separator crank has a twenty-four inch cast-iron face pulley, over which the main band passes, giving to it the required motion; the said iron pulley serving as a balance-wheel to the crank, and producing a smooth and steady action or motion.

The Thresher and Cleaner combined delivers the cleaned grain and tollings on either or opposite sides, at the pleasure of the operator.

The cylinders are all first balanced stationarily, as with others, but are afterwards subjected and adjusted to a velocity double that required for threshing grain. This last is an important process, often doubling their utility, efficiency and durability.

The cylinder-heads are solid cast iron, and fitted to heavy cast-steel shafts, extending through and through.

The journal boxes are all made in two parts, and lined with a composition of tin and antimony — the best known material for the purpose — thus admitting of being adjusted as they may become worn and loose.

The Thresher frames are constructed with a substantial bottom, or sill timbers, extending nearly the length of the machine upon the floor or ground, thus giving them a greater base and firmness than when simply standing upon four legs, with narrow base.

The concaves are adjustable in every direction.

The cylinders for all their Threshers, whether operated by one or two horses, are 26 inches long, being one-fourth more capacity than those of any other maker for one-horse power, and the same as the largest for two horses.

The frames of the Threshers extend fully to the top, instead of the upper works being constructed by simple planks bolted together edgewise.

No exertions will be spared to meet the wishes of those dealing in and using the class of implements they manufacture. The public may rest assured the reputation heretofore earned for their machinery, &c., shall be fully sustained, by employing none but the best material and workmanship; and by strict attention to business, they hope to merit and enjoy a continuance of the patronage heretofore so liberally bestowed.