

	Sheaves of wheat.	Minutes.
Hayward's machines.....	—	Choked.
Ransoms and Sims.....	150	11
" ".....	Barley. 60	5
Nalder.....	150	9
Roby and Co.....	150	12
Savory.....	150	14
Holmes.....	150	9
Barrett, Exall, and Co.....	150	12½
" ".....	Barley. 60	4
Cambridge.....	150	12½
Humphries.....	150	13
" ".....	Barley. 60	5
Clayton and Shuttleworth.....	150	13
" ".....	Barley. 60	7
Fowler and McCollin.....	150	11
Garrat and Sons.....	150	17½
Harts and Gibbon.....	150	13½
Hornsby and Sons.....	150	16½
" ".....	Barley. 60	6½
Tuxford and Co.....	150	14
" ".....	Barley. 60	6½
Gilbert.....	150	12½
Foster.....	150	13

## SINGLE BLAST MACHINES, PREPARING THE CORN FOR DRESSING.

	Sheaves.	m. s.
Ransomes and Co.....	150	12.30
Barrett, Exall, and Co.....	150	11.20
Humphries.....	150	12.30
Smith.....	150	9.30
Clayton and Shuttleworth.....	150	15.45
Garrett and Co.....	150	11.30
Hornsby and Co.....	150	11.15

A subsequent trial took place of the following four engines, which produced these results. 300 sheaves of wheat were told out to each machine, 25 for setting it to work, and 775 to test its working capacity:—

	Sheaves.	Minutes.
Hornsby and Sons.....	775	43½
Clayton and Shuttleworth.....	775	43½
Ransomes and Sims.....	775	47
Humphries.....	775	61

THE WINE OF 1858.—We have just received a letter from Segni, a remote interior town of the papal dominions, in which it is stated that for the first time in many years the vines show no traces of oidium, or grape disease, and that the vintage will be enormous. Indications of the same are to be found in The Independence Belge and the German foreign items for nearly all the continent. The traffic in cheap Hungarian wines, which has been very much stimulated of late years, and which draws its resources from a limitless supply of excellent varieties, rapidly becoming well known, will contribute to depress the price, so that there is a possibility of foreign wines again sinking to the old level.—*Philadelphia Bulletin.*

COST OF UNDERDRAINING.—On "the Premium Farm of the Empire State," there are sixty-one miles of underdrains, all laid by the present proprietor, R. J. Swan, of Rose Hill, near Geneva. The cost has been much less than usual, as drains from two and a-half to three feet deep have been laid complete at an expense of 28½ cents per rod. Digging, 12½ cents; laying the tiles and filling the drains with plows, 3 cents; average cost of tiles and cartage, 13 cents. The tiles alone frequently cost 25 cents per rod, freight included.