

for the market in so short a time, and the flesh is of the best description. It is quite extraordinary what weights this breed will attain in a very short time; 90 stone is often attained by them at three years old, and no other breed will pay equal to them. It matters not in what light they are viewed, they are profitable milkers and good feeders; and if they are objected to as not being adapted for work, the answer is, there is no occasion to work them, as they will pay sufficiently without. It is all very well to work such breeds as the Devons and others that require five or six years to bring to maturity, as it is the only way to make them profitable. But with the Teeswaters this is not required. At the same time they will work if it is required of them.

It has always been a mystery to me what crotchets the Sussex breeders got into their heads when they challenged the late Earl of Spencer to show 100 of their breed with 100 of his herd: they never could have seen a herd of pure improved short-horns or they would not have matched them against their coarse fore-quartered breed.

SEMI-GRAVITATING STEAM ENGINE.—There was exhibited on Friday last, before a large party of gentlemen, in Messrs. Scott, Sinclair, and Co.'s foundry here, a novel 6 horse high-pressure steam engine, constructed to drive a thrashing mill in the island of Islay. The cylinder receives the steam only at the bottom; it is 12 inches diameter; the piston is solid, 12 inches in depth, and metallic packing; the connecting rod is inserted half into the solid piston and held by a pin; the upper end is connected to the crank in the ordinary way; that, with the eccentric wheel and strap and fly wheel, are all the trappings on the engine. The connecting rod and piston weigh three cwt., and the fly wheel 10 cwt.; one-half of its circumference is hollowed out with cores in the inside of the rim—the other is entirely solid. This engine will perform the work of any 6-horse power engine, with much less fuel than is commonly used: at the present prices of coal 1½d. per hour will suffice to keep the necessary supply of steam up in the boiler. The engine stands on a small space and is constructed at one third less price than the ordinary cost of engines, and so simple that any labourer or peasant may easily attend to it. The engine has been invented, constructed, and patented by our ingenious and enterprising townsman, Mr. John Hastie, foreman to Messrs. Scott, Sinclair, and Co., and the smooth and easy manner it performed its evolutions gave great satisfaction to every person present, who highly commended Mr. Hastie on the success which his skill had attained in simplifying the use of the steam engine. We have much pleasure in stating that Mr. Hastie is also patentee of the grain mills which have been for some years in full operation throughout the country.

UTILITY OF NETTLES.—It is a singular fact that steel dipped in the juice of the nettle becomes flexible. Dr. Thomson, who has made the medicinal properties of our wild plants his peculiar duty, states that lint dipped in nettle juice, and put up the nostril, has been known to stay the bleeding of the nose when all other remedies have failed; and adds, that fourteen or fifteen of the seeds ground into powder, and taken daily, will cure the swelling in the neck, known by the name of goitre, without in any way injuring the general habit.—*Medical Times.*

AERIFORM OR ATMOSPHERIC CHURN.

Secured by Royal Letters Patent to
WALTER HOLT WELLS.

THIS Churn has now been sufficiently long before the public, thoroughly to test its practical utility, and we confidently believe that it surpasses every other invention for ease and dispatch.

The most flattering testimonials have been voluntarily tendered to the subscribers in relations to the Churn manufactured by them.

Having secured the exclusive right to the manufacture and sale of the Aeriform Churn in the Province of Canada, we are now prepared to sell Sectional Rights upon the most reasonable terms. Persons wishing to purchase Township, County or District Rights, can do so on application to the subscribers or to J. R. ARMSTRONG, Jr., at the City Foundry.

WELLS, MATHEWS & Co.
Toronto, Dec. 1st, 1848.

WANTED, by a Young Man who emigrated from Scotland to this country in 1847, a SITUATION as SUPERINTENDENT of a FARMING ESTABLISHMENT. He is well qualified in every respect to conduct and manage a Farm for any Gentleman who may require his services. Enquiry to be made at the Office of the Lower Canada Agricultural Society, 25 Notre Dame Street.

Montreal, July 20th, 1849.

PARADIS' NEWLY IMPROVED THRASHING MACHINES.

THE Subscriber, who has been long known as a MANUFACTURER of THRASHING MACHINES, would intimate to Farmers and the Public generally, that he is now prepared to furnish MACHINES of a COMPLETELY IMPROVED MAKE, which are constructed with not only all the latest AMERICAN IMPROVEMENTS, but also with some important inventions of his own, by which much labour will be saved, less power will be required to drive them, and they will not so easily get out of repair; in short, he will warrant these Machines, and guarantee that they will, when tried, prove themselves far superior to any which have heretofore been in use in the Provinces. Apply at the Office of the Agricultural Society, or to

JOSEPH PARADIS,
St. Joseph Street, above Dow's Brewery,
North Side.

Montreal, 7th June, 1849.