

the right kind. It requires care and experience to use them properly. Drains filled ten or twelve inches with broken stones or gravel have been found effectual in some soils; but this method is not generally to be commended either on the ground of economy or efficiency. An earthenware or conduit is desirable, if not an indispensable requisition, allowing the water a more easy egress, and renders the work both more durable and efficient. Drains formed of gravel or broken stones not only act slowly but are very liable to become silted up in a sandy soil, and especially when the inclination is small.

The cheapest and best material where suitable cannot be got on the spot is unquestionably tiles, particularly that form designated the *peper*, which to be of good quality must be made of good well-worked clay, thoroughly burnt, that it will have a metallic ring, when struck. In remote places, where farms are still in a rough and unfinished condition, very much may be done in the way of temporary draining, by striking open ditches through the wettest places, and filling in covered drains with old rails, brushwood, &c. Such devices will be found serviceable for many years, and will meet the wants of farmers on new lands, till they obtain the means of carrying out a more permanent and complete system of draining.

Ploughing Match in Clarke.

ERROR OF AGRICULTURIST.—I have been directed by the Board of Directors to send you notice, thinking that it may prove of some benefit to our farmers. The Township of Clarke Agricultural Society held their Ploughing Match last week, and awarded the following prizes in their several classes:—

The Sweepstake, open to all classes of ploughs, George Fountain.

1st Prize for Iron or Wooden Scotch plough, (men,) John Gallbraith.

2nd do do do do do
James Kenear.

1st Prize Canadian Plough, (men,) William Arnett.

2nd do do do do do
John Davie.

1st Prize, Any Plough but Iron, (boys under 16 years,) John Davie.

2nd Prize, do do do do do
Charles Brown, Jr.

One of the most important features in connection with this Match was an *Extra Class*,

a prize awarded to the ploughs of any make—of lightest draft; they were to turn a furrow of nine inches wide, and six inches deep. There are few farmers but what have an opinion of their own respecting the various qualifications of ploughs; but few, if we except the owners, were prepared to see the great differences existing in the draught of the various ploughs entered. It has opened the eyes of this community—and it should every other quarter—at all events to a class of ploughs which has been condemned by many, and yet who never tried them, as being more unwieldy and cumbersome, in fact *Horse Killers*, as they are frequently called. They appreciate them for their work, and yet condemn them for being too heavy. I refer to, the Iron Plough, which when of a proper kind, and a man between the stilts who understands them, cannot, for work, be beaten by any other plough.

I give you the draught and kind of plough as under:—

No. 1. Iron Plough, imported, Barrow Mould Board, 375lbs.

No. 2. Wood Plough, made in this Township, Gray's Mould Board, 400lbs.

No. 3. Iron Plough, imported, Gray's Mould Board, 425lbs.

No. 4. Wood Plough, Canadian, Holten patent, 450lbs.

No. 5. Wood Plough, Canadian, Scotch Canadian, 475lbs.

No. 6. Wood Plough, Canadian, Scotch Canadian, 500lbs.

No. 7. Wood Plough, Canadian, Markham, 575lbs.

No. 8. Wood Plough, Canadian, Markham, 600lbs.

These were tested by a competent Committee, and a Dynamometer.

There was a very large attendance of people, the day being well suited for the occasion, and the ploughing was done in first-rate style. After the ploughmen got through with their work they, together with the judges and Directors were invited to partake of a capital dinner, provided by Joseph Rickaby, Esq., in whose field the Ploughing was performed. After partaking of the good cheer, the company separated, every one being satisfied with the day's proceedings.

Yours, &c., E. A. McNAUGHTON.

Secretary.

Newcastle, May 8th, 1861.

The Royal Dublin Society's Spring Show.

The Spring Exhibition of this important Society was held as usual on its premises in Kildare Street, the beginning of April. The weather was unpropitious and the extensive improvements of the buildings and pens not thorough-