

advantageously in the wettest weather, and one ploughing is sufficient for each course of cropping. The three operations performed by this valuable implement, viz: ploughing, lifting, and subsoiling, leave, it is said by those who have carefully tested it, the land as if it had been dug or forked over, bringing it into the best possible condition for planting.

Among other advantages possessed by this plough, it admits of changes in its form by the ploughman, and under each change can be used separately, and can be easily regulated to do the following work, viz:—

1st. By raising the Trencher and Subsoiler *a*, and *b*, it will plough single furrows in the same manner as a common plough.

2nd. By lowering the Trencher *a*, it will skim and trench.

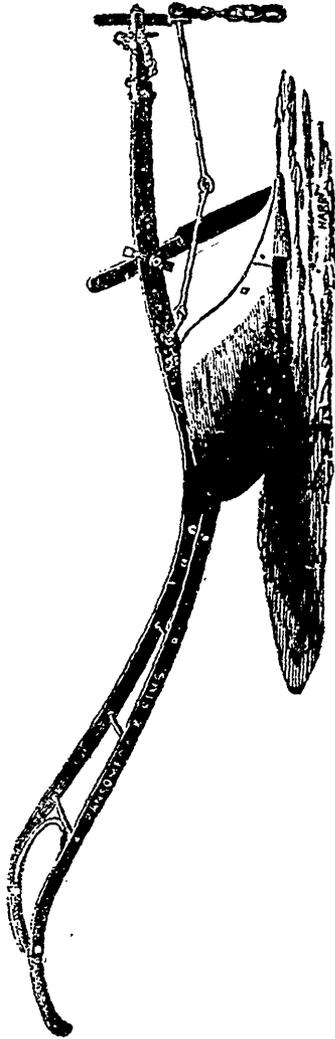
3rd. By raising the Trencher *a*, and lowering the subsoiler *b*, it will skim and subsoil.

4th. By again lowering the Trencher *a*, the three operations may be performed at the same time.

The Guide *c*, is for regulating the depth of ploughing, &c.; it is provided with two revolving discs, which act as coulters. The Wheel *d*, is for regulating the width of furrow.

This novel and useful implement is manufactured by *Ransomes & Sims* of Ipswich, England, and has obtained medals at several of the Royal Agricultural Society's Shows. The price is £10, which must be considered very moderate for a well made implement combining the functions of three; thus effecting a large pecuniary saving in the farmer's first capital. The combining of different functions in one implement, when it can be done efficiently, as in the present instance, must be hailed as a great and most desirable achievement in agricultural mechanics.

### IMPROVED WROUGHT IRON PLOUGH.



This cut represents a very strong, simple, and effective plough, manufactured by *Ransomes & Sims*, of England, an extensive and old established firm, of world-renowned reputation. It is specially adapted for breaking up ground recently cleared for cultivation, where a strong, rough, and ready implement is necessary. It has been