mahure in the end of August or during the | pletely, and exhibits the field in the form . month of September. Early operations are of drills ; not highly raised, or widely formthe most effectual and the best performances; get the land ready in August for the recepception of lime and dung. The first article in a pulverized condition is spread evenly over the land, and harrowed into the ground by a double-tine of the common-purpose harrows. The farm-yard manure is laid in small heaps on the land, spread by the hand forks evenly over the surface of the ground, and covered by one furrow of the plough. The dung may be carried in the fresh condition from the cattle-vards, being the production of the latest store cattle, and from the soiling of beasts that consume the green food, or it may have been placed in a heap on the field or land from the month of March to the time of use, and will have reached a partially, if not a half-rotten condition, when it is spread over the ground in August. The lumps of dung will often not be covered by the plough, and lie on the surface, being pushed before the coulter, and not falling into the bottom of the furrow. A lad or woman with a hand fork follows the plough, and throws the pieces of dung into the hollows, where they are covered immediately by the next furrow of plough. ing. This provision is made against the loss by evaporation from exposure of dung on the surface of the ground ; but the theory of loss from exposure does not yet hold a confirmed dominion among undoubted facts.

The common plough opens drills with one furrow at convenient distances for green crops, and on light soils the dung is well covered by one furrow of earth being laid over it. Clay lands for wheat are drilled in the same way by one furrow, the dung is spread along the hollows, and covered by splitting the ridglets with the plough. In this way the plough opens a drill in going the length of the field, and in returning covers a drill of dung by reversing the furrow, This mode covers the dung very comed, as for green crops, but flatly done, and executed for the sole purpose of covering the dung from exposure. A cross harrowing is required to level the ground when the land is seed-furgowed in October. The two drillings of one furrow are less labour than one ploughing, and cover the dung Even the harrowing that is ? much better. required before the seed-furrow, does not raise the expence to an equality with the ploughing of the dung into the ground.

The wet nature of most clay lands prevents the carting of dung on the surface in October, and consequently the manure must be applied at an earlier period, and the land ploughed again for the sowing of seed. Cases occur when the dung is applied in October; but chiefly on the grattans of beans and peas, and on some few clay lands of the driest nature. Few wheat soils admit the application of dung in October, unless the modern system of frequent draining has produced a dry condition to bear the necessary cartage. Consequently the dung is covered by ploughing in August, or in early September, and a seed-furrow is done for sowing the seed in October.

The hitherto refrigeration of our globe from a state of expired combustion in a fiery mass, renders necessary the use of decomposing bodies as manures, to afford by decay the caloric to vegetables, and to raise the temperature of the ground, and also to place bodies in quantity together in the ultimate elements at insensible distances, in order to produce the same results of caloric and temperature, by the mutual action of fusion and attrition. Hence there arises a most important consideration in what way, mode, or manner the articles of manure are to be applied, in order to afford caloric to the plants and temperature to the soil in the largest and most effectual manner that is possible. Farm-yard dung bur.