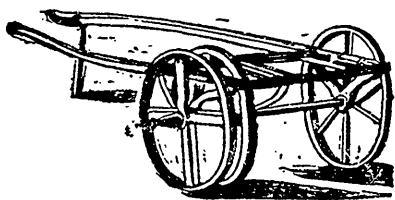


is to be deposited, this roller gives a firmer bottom, into which the roots can penetrate, and it is said to operate very beneficially in retarding, if it does not altogether prevent, the operations of that insidious enemy to the farmer,—the wire-worm. One horse will, with this implement, go over about two acres of land in a day; the soil should be previously well cultivated, leaving the drills closely pressed at any desired distance, for the reception afterwards of the seed.

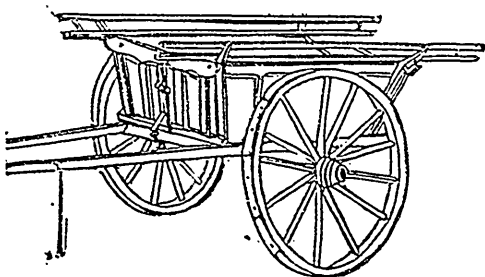


The above cut will give the reader a general notion of this machine, which may be made to vary in size and weight, as may seem desirable. It usually consists of a rectangular frame about  $3\frac{1}{2}$  feet long, and about  $4\frac{1}{2}$  feet in breadth, with an axle carrying the two heavy pressing-wheels seen on

the right,—made of iron,—with a light wheel attached to the opposite end of the axle, on the left, for the purpose of assisting in turning, &c. The pressing-wheels are about 3 feet diameter, and weigh upwards of 2 cwt. each; their breadth on the rim from 5 to 8 inches, which is sloped off on both sides to an angle of about  $70^\circ$ , leaving a cylindrical band in the middle of about  $1\frac{1}{2}$  inches in breadth.

Upon all light, loose soils this implement is found of great use in preparing the land for all descriptions of crops, but more especially wheat, which, in many cases, cannot be otherwise profitably produced. In England the application of the Presser is found exceeding beneficial in preparing even heavy land, recently in sod, for wheat; and, as before stated, the ravages of the wire-worm, after such application, are generally much checked.

The price of these Machines in England ranges according to size, from five to seven or eight pounds sterling; some being fitted up with as many as six pressing wheels, which weigh about 12 or 13 cwt., and come to a considerably higher price.



#### IMPROVED SCOTCH CART.

The above cut represents a farm vehicle that is in very general use in Scotland, and with some slight modifications, in many parts of England. This cart is fitted with wrought iron axles, case hardened, chilled boxes and brass caps. It has an improved cast iron nave, which adds both strength and durability to the wheels; and a frame, or rathes, which is easily put on and taken off, and admirably adapted for carting

grain and hay. The price of this cart, made of the best materials, is from £12 to £15 sterling, and with proper care and ordinary use it will last half a century.

It has now been proved beyond a doubt in many parts of Great Britain that in the ordinary progress of the hay and corn harvest, the use of one horse carts is attended by a considerable saving, both in animal power and manual labor, as compared with the employment of heavy waggons. Mr. Hannam, of Yorkshire,