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them, and thus dropping the seed always in the centre of the Drill. Two Iron Rollers follow in rear of the Machine, covering the seed and pressing the soil. The sowing apparatus consists of two Tin Canisters mounted on a shaft and enclosed in Cast Iron Cases. They are driven by a belt off the shaft on which the back Rollers are fastened. Thus when the back Rollers are raised, to turn the machine at the end of the Furrow, the sowing ceases until they are again let down. The quantities sown are regulated by holes of various sizes in the circumference of the Canisters. This will be found a first-class, reliable Implement, for sowing Turnips, Carrots, Beets, Mangold, &c., &c.

In addition to the foregoing, I am under arrangements with the Patentee, manufacturing

"THAIN'S PATENT" SEED SOWER.

The sowing principle of which is similar to the other, but the frame is of wrought iron, and the canisters are driven, independently of each other, by friction directly from the front roller.



WEEDER AND SCUFFLER.

My Weeder and Scuffler is an indispensable article in the Turnip, Potato and Corn Fields, as it answers the double purposes of a weeder and a double mould plough. It will cut the weeds, throwing them into the centre between the rows, and by reversing the side-ploughs it will lay the soil to the plants equal to any plough. The wings carrying the side-ploughs are hinged at the front, and can, by an iron strap for that purpose, be set and kept at any required width.

I manufacture various patterns of Scufflers, in addition to the above, with three, five, and seven teeth, and with steels of several shapes, to suit all kinds of soil or work.

CULTIVATORS

Of Ides and other favorite patterns, and of different styles of construction.

JOHNSON'S PATENT CHAMPION VIBRATING CULTIVATOR.

By arrangement with the Patentee, I manufacture this Implement,

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