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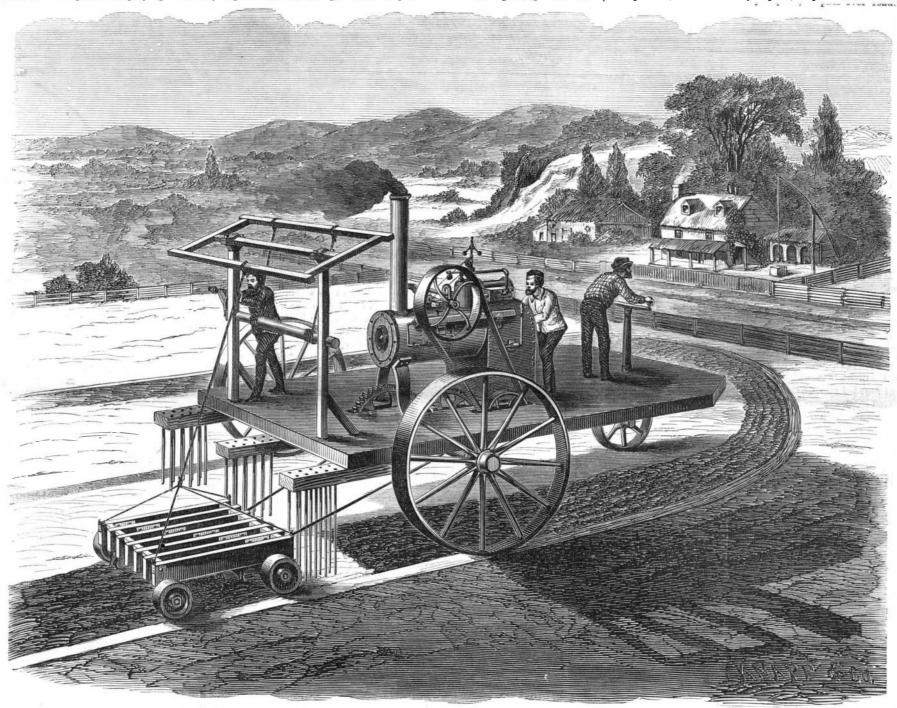
\$3 per Annum [IN ADVANCE.]

Improved Traction Engine and Steam Plow. Many attempts have been made in England and in this none of them have as yet been so successful as to insure the general adoption of any one system, although, attained. The plan of employing stationary engines located vating, the whole space is taken in once passing, the cultiva- or depressed, as occasion may require, to pass over roads or

rate may be increased or diminished by the change of a pin-|shown plainly in fig. 2. It will be seen, that after being ion. It is designed that the machine shall always travel on country to adapt steam to the arduous labor of plowing, but the same road or track in going forward and back over the field, so as always to have a firm road for the machine to travel upon, in the various operations of plowing, harrowing, under favorable circumstances, some good results have been seeding, cultivating, reaping, etc. For harrowing or culti-

track of 15 inches between each bed undisturbed. The plows are seen in the gang, Fig. 3; the harrow, in Fig. 4; and the cultivator in Fig. 5. Either of these is attached to the machine by rods or chains, and can be elevated

plowed, the field lies in beds, 15 feet wide, with the path or



DELAVIGNE'S PATENT STEAM PLOW AND CULTIVATOR.

on the borders of a field, and drawing, by ropes or chains, a | tors being so arranged as to pass between the rows, the (uncultivated portions of the field, or to adapt them to work plow or a gang of plows across from side to side, is cumber- wheels being high enough for the machine to go over the at any depth, according to the nature of the soil, by means of some, costly, and not very satisfactory. The traction engine crop until it is quite tall. the hoisting appendage seen in Fig. 1, at the rear of the mais unwieldy, and not adapted to loose soil or yielding surfaces. The main shaft, on which the driving wheels are fixed, is chine. A group of rods-Fig. 1-extend from the platform

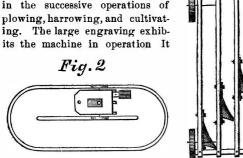
The peculiar feature of the machine shown in the accompanying engravings is, that it forms its own roadway, which it always travels

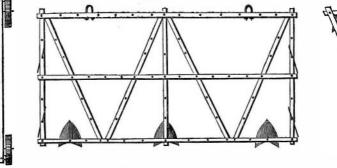
Fig. 3

Fig. 4

Fig.5

in advance of the plowshares for the protection of the growing plants, to prevent them from being injured





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by the deposition of the soil by the plows. It is evident, that in addition to the work of cultivation, this machine may also be used as a power to drive thrashing machines, saws, and to perform other labor required on the farm or plantation.

Patented March 31, 1868, by John C. Delavigne, who may be addressed at New Orleans, La; or application

is a platform 26 feet long by 15 or more wide, supported main- | in three sections, the middle one turning in bearings near ly on two wheels, 9 feet in diameter, with tires 15 inches Tide. There is a steering wheel in front operated by a lever or hand wheel. The platform supports an ordinary portable engine and boiler, connected by suitable gearing to the propelling wheels. The gearing is so calculated, relatively to the number of revolutions of the engines, as to propel the ma-

either end, and connected with two short sections which carry the wheels. The connections are made by sleeve coupl ings, either on square shafts or round shafts feathered. The object of this arrangement is to allow either wheel to be as clear as day, the cathedral and houses at the northwest uncoupled in turning corners, so that the track of the inner wheel shall be a straight line, the wheel turning as a pivot, chine forward at a rate of about 150 feet per minute, which while the traveling wheel describes the curve. The plan is invisible.

may be made to E. E. Tiffany & Co., 15 Wall st., New York city.

A BRILLIANT meteor was observed in London on the night of October 7. It lasted about five seconds. Everything was corner of Cannon street standing out in bold relief against a brilliant sky. The lights in the gas lamps were for the time