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Above his head is a wire netting which deflects the fragments of bursting grenades and bombs

Protect Your Trench with a Deflector Made of Wire Netting

THE trench mortar fires its missiles so that they fall almost vertically into the opposite trench; the hand grenade follows a similar course. Shrapnel is timed to explode so that its bullets spray the ground below like rain. Now you understand why a trench cover is employed on the Western front, consisting of a sloping wooden

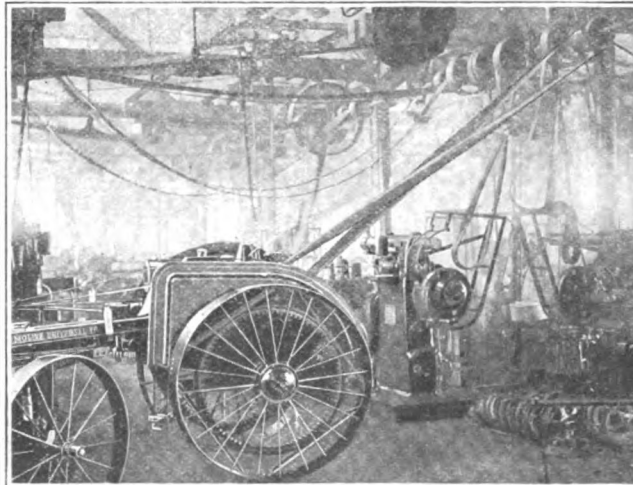
framework on which is stretched a screen of wire netting. The object is to deflect the grenades and small shells which would otherwise explode in the trench. By deflecting the fragments of exploding missiles the screen acts as a shelter.

Making Tractors by Using Tractor Power

A SHORT time ago the transformer through which the electricity passes for supplying the power for a large tractor plant in Illinois was overloaded and consequently burned out. Every wheel came to a standstill—a serious matter for the factory which had been running at top speed to fill orders. In this emergency it occurred to the superintendent to use a number of tractors in stock to supply the necessary power to manufacture more tractors. The machinery of the tractors was connected by belts with the pulleys driving the various shapers, drilling and milling machines. In a few hours the plant was humming again.

The controllable governor of the traction engines made it possible to adjust the speed of the engine to that required for the machinery, which varies between six hundred and fourteen hundred revolutions an hour. The tractor engines stood the test well, although some

of them were run at overcapacity for forty-eight hours without slowing down. Then the fuel tanks were refilled and they were started again and run for seventy-two hours without stopping. The picture on the left shows one of the tractors at work.



The versatile superintendent of a tractor plant in Illinois made the tractors reproduce their kind