

on which the subsoil was spread, yielded a. the rate of twenty bushels per acre. This contrast was not owing to the drainage effected by the ditch, as the soil and subsoil of much of the field rested on gravel and had a natural drainage.

Farmers must adapt their practice to circumstances. If the subsoil is both sterile and porous, there would be no object whatever in deep plowing, unless possibly for gradually deepening the manured top soil. If sterile but impervious, it should be subsoiled—not trenched plowed—to deepen the reservoir for the absorption and supply of moisture. If it possesses enriching qualities, the plowing should be deep enough

to bring up a portion to the surface, and if in addition to its fertilizing effects, it is impervious to water, the subsoil plow should be used in addition to running the common plow deeper than before. It is hardly necessary to add that all impervious subsoils need thorough underdraining as an indispensable requirement in connection with subsoiling.

We might offer conjectures as to what the fertilizing substances were in these enriching subsoils, but our present purpose is merely with the established facts.

Country Gentleman.

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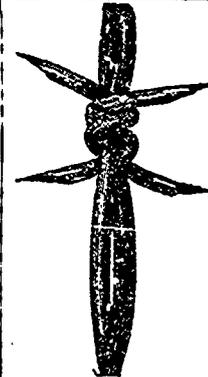
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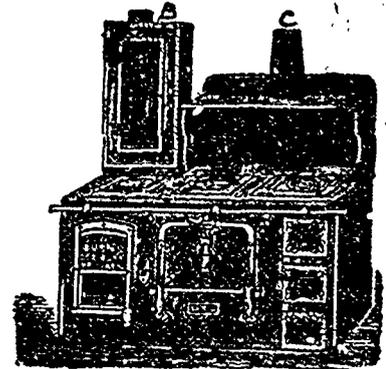
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