

FARM WATER SUPPLY.

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Of the well waters sent to the State Water Survey during 1907, 60 per cent were condemned. Of the waters from wells less than twenty-five feet deep, 85 per cent. were condemned. Well water is usually sent to the Water Survey because of sus-

pected contamination. Therefore, believing that these well could not represent the normal well waters in the state, series of samples were collected from farms in five widely separated sections, namely, at Elgin, Kankakee, Champaign, Centralia, and Cairo. At Elgin deep rock wells predominate, and are in excellent condition. At Kankakee shallow rock wells predominate, and are in good condition. At Champaign, drift wells 160 feet deep are in the majority, and are in good condition. At Centralia, the shallow dug wells predominate and are poor. At Cairo, the samples were taken from cisterns, driven wells, and from one artesian well. The wells are in good condition.

Conclusions drawn from the examinations made, indicate that driven, drilled or bored wells can be obtained in many parts of the state, and are preferable. Where dug wells are necessary, as at Centralia, better precautions must be taken to prevent surface contamination.