

The State of Wyoming,
Office of State Geologist,
Cheyenne.

A BRIEF REPORT
ON
THE GUERNSEY PLACER CLAIMS
NEAR
HARTVILLE, LARAMIE COUNTY, WYOMING.

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SITUATION

These Placers are situated in Sections 12 and 13, T. 27 N., R. 66 W., about one mile South of the town of Hartville, in the Northern part of Laramie, County, Wyoming.

They are reached by the Colorado and Wyoming Railroad, connecting at Guernsey with the Burlington and Missouri River Railroad, and at Hartville Junction with the Colorado and Southern Railroad.

EXTENT

This Group consists of two claims as follows:-

The Carbonate Fraction, comprising the S.W. $\frac{1}{4}$ of the S.W. $\frac{1}{4}$ of Sec. 12, T. 27 N., R. 66 W., and the

The Calcium Carbonate, consisting of the N.W. $\frac{1}{4}$ of the N.W. $\frac{1}{4}$ of Sec. 13, T. 27 N., R. 66 W.,

comprising about eighty acres of land, held under the Laws of the United States and the State of Wyoming, by Charles A. Guernsey, Guernsey, Laramie County, Wyoming.

A portion of this property is covered by lode claims, held by Nettie Catlin of Hartville, Wyoming, who has applied for patent thereon, according to notices posted on the claims.

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GENERAL FORMATION

The General Formation of the Hartville uplift, as the Range of hills, in which these claims are situated, is known, consists of a core of metamorphic and associated granite rocks, which underlie the sedimentary rocks, and are exposed at various places thruout the uplift.

The general topography of the Hartville vicinity consists of low hills and bluffs, formed by the various shallow canons, which cut the Carboniferous limestone formations, which compose the principal geological formation exposed at this point.

These limestones are usually a massive grey limestone, which form the bluffs above noted, and are usually overlaid by reddish, calcareous shales. At a point north of this property, the limestone is being quarried and shipped for use in best sugar factories, being an exceptionally pure variety and adapted for this use.

THE GUERNSEY GROUP

The Guernsey Group is located so as to cover the continuation of this high grade limestone, and shows it along near the top of the low bluffs, above mentioned, for nearly the whole extent of the above noted fractions.

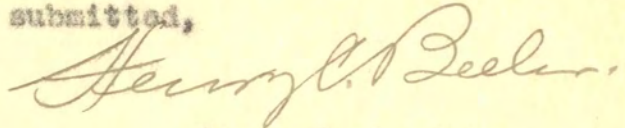
At several points along the outcrop of this limestone, it is readily accessible from the railroad, and may profitably be shipped in the manner of the adjacent lime quarries.

This limestone lies near the base of the carboniferous formation, at this point, and the adjacent shales and quartzites, noted at various points, and, as float, overlying portions of the claims, show a number of these formations to be heavily stained with iron, but at this point nothing was noted, as showing a vein or bed of iron similar to the Sunrise iron veins of this locality.

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It is considered that these claims cover a large bed of exceptionally pure limestone, suited for use in best sugar manufacture, and that these quarries should be opened up and worked to their full capacity, the quality of the limestone being amply proven.

Respectfully submitted,



State Geologist.

Date of Examination,
October 20th, 1907.

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