

MINER, ENGINEER AND PROSPECTOR

Some Characteristics E- sential to Success in Mining Callings.

There is no vocation in life that calls for more individuality, independence of character, ingenuity, and often courage, than the life of the mining engineer, miner and prospector. In many other businesses the man going into them drops into a groove, you turn the handle and the wheels go round, and he is one of the wheels and a part of the machinery; but not so with the mining engineer, miner and prospector. There isn't a regular, fixed, stereotyped, conventional way of managing or doing anything particular in a mine, an ore deposit or a prospect, especially in the west. Constant ingenuity, originality and adaptability to every new recurring circumstance is demanded. This is particularly the case when the engineer or prospector goes into a new untrodden or foreign region. Here he is thrown absolutely on himself and his own judgment, personal ingenuity and adaptability to circumstances; judgment is constantly called for and is constantly being educated. Take for example a mining engineer or prospector going down into old Mexico. The first thing that confronts him is a new and foreign people of wholly different ideas, modes, feelings, manners and associations and languages. How is he to meet and deal with these? They know the ropes, he doesn't; he has to learn them. At first he may be at their mercy and at first he makes mistakes after mistakes until he, too, knows the ropes and knows how to deal with them. At first, as a superior being, it may be, from a superior civilization, that knows nothing about dynamite, assassination and labor outrages and murder, etc., he may look down on them and their ways as far beneath him; but soon he learns that he may learn something from them; that many of their ways and modes are the natural outcome of long and enforced experience.

Take some of the Mexican ways of mining and ore treatment; although we may vastly improve on them any of them were and are peculiarly well adapted to the conditions of the country. We have heard, for example, of a certain property in that region where a first class Fraser & Chalmers stamp mill was rusting in the trees, whilst the Patro process was in full blast. Never let us despise a nation or their modes and ways until we have found out what led up to those ways and modes. Put ourselves in their place and see if we would have done any better.

As regards personal self-reliance and ingenuity and adaptability, these are essentials to any young engineer or prospector going into a new country. His head may be well stored with all the learning of the schools and all the correct ways, means and processes, and this as all right; but he has to adapt them to his new environment. Here he is, alone in the

wilds; it may be a little one-horse Mexican town; there is no scientific library to consult, no regulation store to go to to buy the regulation thing, none of the regular kind of workmen he has been used to; he must adapt himself to native ways of doing things and learn them as quickly as possible. He has found a prospect in a lone, wild region; probably timber is scarce, if any; fuel scarcer—only cactus mesquite and sage brush; but here is a good vein and it has to be developed. All credit go to him if he rigs a stamp mill out of pole timber, with wooden stamps and shoes made of scrap iron or hard stones.

On the plains of Wyoming the prospector or hunter digs his dugout in winter for protection from winter blizzards, five or ten feet below ground. He lines the log walls above ground and tiles the roof with flattened-out pieces of sheet iron from oyster cans. The lantern that he uses to go to the lone station or to the depths of his tunnel is made out of flattened oil cans or powder cans. In fact, I believe that if we were to order a chest of drawers and boudoir the frontiersman would go to work to make it out of oyster cans. This is merely an example of what we mean by enforced ingenuity, when a man has to rely on himself to make the best use of that which lie the nearest him and adapt himself to circumstances.

These are among the main requisites of a prospector and western mining engineer.

To this we might add personal courage and self-reliance in morals. To know all the books and all the processes is not enough in mining or especially in a new country, but to know men of all sorts and conditions and how to handle them; to have sufficient self-control to know when to do this and when not to do that with certain men and under certain circumstances, when to be brave as a lion and firm as a rock and when to be gentle as a lamb and tender as a "sucking dove." To know when to act promptly and with decision and firmness and when to act slow and cautiously and even with diplomacy.

Truly the proper study for man is man, for the mining engineer is mining men.—Mining Reporter.

ORDINANCE NO. 212.

An ordinance granting to Michael Lynch, his heirs, and assigns, the right to lay mains and laterals, and to maintain a complete water system in the city of Sumpter, Baker County, Oregon.

The city of Sumpter does ordain as follows:

Section 1.—That there be and hereby is granted to Michael Lynch, his heirs and assigns, the right, privilege, authority, and franchise to establish, locate, and maintain water-mains, pipes, laterals, and connections thereto for any and all purposes in the City of Sumpter, Baker County, Oregon, upon the terms and conditions hereinafter stated and with the right and authority to exact and receive the compensation and rates hereinafter specified.

Section 2.—This franchise is granted for a period of thirty years from the date of the passage of this ordinance, provided the conditions herein stated are complied with by the said Michael Lynch, his heirs, and assigns.

Section 3. This franchise is granted with the understanding and agreement that the said Michael Lynch, his heirs, or assigns, shall commence the construction of such water system for the City of Sumpter,

within ninety days from the date of the passage of this ordinance, and that the system shall be in operation in said city within eighteen months from said date.

Section 4.—The said Michael Lynch, his heirs, or assigns as one of the conditions of this franchise, does hereby agree with the City of Sumpter that the water furnished by said system shall at all times be pure and wholesome, and fit for domestic and family use.

Section 5.—This franchise hereby gives to said Lynch, his heirs, or assigns, the right and authority to, at all times, enter in and upon any and all of the streets, alleys, or other public places and thoroughfares of the City of Sumpter for the purpose of laying water-mains, pipes, or laterals, or for making the necessary excavations therefor, with the express reservation that the said Lynch, his heirs, or assigns, in making such excavations and laying the mains, pipes, and laterals, shall do no unnecessary damage, and shall fill the excavations and trenches as soon as possible; and that during the period of excavation and filling of trenches, barricades and guard-lights shall be maintained at all public crossings and thoroughfares; and that all mains shall be so laid, as far as possible, as to best accommodate the convenience of the public; and that when the mains are laid, the streets, alleys, and thoroughfares shall be restored to their original condition, as far as possible, and any and all refuse removed therefrom.

Section 6.—The said Lynch, his heirs or assigns, shall have the right and authority to shut the water off from any consumer who shall fail to pay his water rent, on giving him twenty-four hours notice; and the said Lynch, his heirs, or assigns shall not be liable for damages therefor; and in addition thereto shall have the right and authority to shut off the water from any one who shall allow another who has not paid his water rent to use the water from any pipe or lateral under his control.

Section 7.—Any water consumer shall pay all expenses of tapping the main and of making the connection with such main.

Section 8.—It is expressly understood and agreed, and this franchise is granted and accepted with the proviso that the following shall be, and are hereby made the maximum rates that said Lynch, his heirs, or assigns shall charge the inhabitants of the City of Sumpter, to-wit:—

- Bakeries, per month, \$1.75.
- Barber shops, first chair, per month \$1.25.
- Each additional chair, per month, 50cts.
- Bath tub, \$1.50.
- Bath tubs, each, in hotel, bar, or lodging house, per month, \$1.50.
- Blacksmith shop, one fire, per month, \$1.00.
- Each additional fire, per month, 50 cents.
- Breweries, each, per month, \$8.00.
- Butcher shops, each, per month, \$1.50.
- Family rates, each family, including private bath tub, per month, \$1.40.
- Hotels, restaurants, boarding, or lodging houses, having five bed rooms or less, per month, \$2.00.
- Each additional bed room, per month, 15 cents.
- Irrigating for each lot 50x150 feet, or fraction thereof, per month, 50 cents.
- Offices, each, per month, \$1.00.
- Photograph galleries, each, per month, \$1.50.
- Printing offices, each, per month, \$1.50.

Saloons, each, per month, \$2.50.
Stables, private, each horse or cow, including washing vehicle, per month, 50 cents.

Steam engines of five horse power or less, per month, each, \$1.00.

Each additional five horse power, per month, 25 cents.

Stores, (Groceries, Hardware, or Dry Goods) each, per month, \$1.50.

Soda works, each, per month, \$2.50.

Soda fountains, each per month, \$1.50.

Urinals for stores, or office, each, per month, 25 cents.

Urinals for hotels, lodging houses, or saloons, each, per month, 50 cents.

Water closets for hotels, boarding houses or saloons, each, per month, \$1.00.

Water closets for stores, offices, and public buildings, each, per month, 75 cents.

Private closets, each, per month, 50 cents.

Coffee, or chop houses, each per month, \$2.00.

Meter rates, 1,000 to 50,000 gallons, per 1,000 gallons, per month, 25 cents.

Meter rates, 50,000 to 100,000 gallons, per 1,000 gallons, per month, 20 cents.

All of the following to come under meter rates or special rates:—

Fountains, city buildings, public laundries, public buildings, schools, livery, or public stable, street sprinkling, power purposes, or for any other purpose that water may be used.

Section 9.—It is further understood and agreed that this franchise shall and does extend to the distribution of power for any and all purposes over and through all streets, alleys, and other thoroughfares of the City of Sumpter.

Passed the Council this 21st day of June, 1904.

(Attest) S. S. START,
Recorder of the City of Sumpter.
Approved this 21st day of June, 1904.

C. H. McCOLLOCH, Mayor.

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