May Develop Quartz Mines

Permit Asked to Take Out Deposits in Montgomery County.

NORMAN, June 30—(Special)—Under the direction of Hamilton H. Hunt of Cleveland, O., captive and cleavers, chemists and engineers, have been employed to work the quartz deposits in Montgomery county, a permit to take out the quartz having been obtained.

The quartz is of the grade found in the生成的山丘, where it is mixed with sand and gravel.

Crystal Mines To Be Opened

Mining Operation Near Norman to Develop New Industry.

RAILS, June 30—(Special)—The mining operation near Norman to develop a new industry is making great progress. The quartz is of the grade found in the生成的山丘, where it is mixed with sand and gravel.

New York Firm to Manufacture Paper Weights From Arkansas Quartz and Ore-Bearing Rocks

The American Crystal Co., organized to mine minerals, crystals and rocks near Cadiz, Ky., has been formed with W. D. Finkler, Cadiz, Ky., C. C. Lea, Gruber, Lakees, and William H. Bledsoe, as directors. It will issue 1,000 shares of stock without par value, and has been paid $5,000 in cash, according to articles.

Crystals that are not used industrially, it was said. The crystals may be reduced by grinding, and formed into quartz glass, the like of ordinary glass, will admit ultra-violet rays.

Crystal Mines To Be Opened

Mining Operation Near Norman to Develop New Industry.

Hot Springs “Diamonds” Are Only Quartz but Rivals of Real Gems in Rare Beauty

The crystals are always natural, or external, said Lox, explaining this by stating that the occurrence of such materials is an outward indication of an outward arrangement of the extraneous material, the “building blocks” of which the crystal is made. The pattern produced depends partly on the kind of elements involved, and partly on the permanent structure of the crystalline tissue. Research by Lox showed that crystals found in this region is of the sedimentary kind. During the generation of the sapphire vein at the time the Osage was formed, many other crystals were formed. The formation of these crystals is due to the most magnificently proportioned. Arkansas has a deposit of genuine “diamonds,” from which these have been taken, cut and placed on the market. There are two or three deposits that are known in the state, and these have been developed. It is thought that in Arkansas are found the only diamonds discovered in North America, and that these have been placed on the market.

Quartz Crystals Always Natural, or External, Said Lox, Explaining This by Stating That the Occurrence of Such Materials Is an Outward Indication of an Outward Arrangement of the Extremely Magnificent.

The clear, sparkling stones known as “Hot Springs diamonds” have been known around the world, but a great deal of mystery has always surrounded their origin and especially their process of manufacture. The finished products are well known as favorite jewelry for milady's evening wear. The clear, sparkling stones catch the reflected light, and the soft color or softness of the gemstones will vary greatly with all colors, being pure, sparkling, and transparent. There are some colored "imitations" for wear with colored glass.

The stones, ground and polished, are cut as diamonds, are set in rings, or are set in necklaces, made into rings, or set into bracelets. Brooch sets which imitate natural crystal formations are clear and beautiful.

The crystals that are of the grade found in the生成的山丘, where they have been known as “Hot Springs diamonds.”

Crystal, according to Mr. Lox, is made from rock crystal in the north, and to permit the passage of the coruscating rays of the sun, instead of scattering them off as does ordinary glass, and is a field for the use of the crystal in the skylight.

It is noted that crystals are taking form which is known as the “hot springs.” How much in ancient times, and even before the cutting of the veins. Some years ago, quartz were taken from the Bluff, but it was industry-aged.

Mr. Lox feels that there is a big future in the industry for himself and the town of Norman. He is pleased to see the crystals which are being produced. A considerable number of men will be employed when the mining is in full swing.

Mr. Lox is accompanied by his younger son, who has entered the business, and is busiest in the spirit of the enter prise.

Notes of the Day

A pair of pure quartz crystals, four by six inches, used by the General Electric Company to measure light in the lamp development laboratory, is the largest in the world. There are larger single quartz crystals, but no larger pairs. In detecting light from any source they can see no wider than a hundredth of an inch. The device in which they are used is called a double monochromator. It looks like three canons pointed in different directions and hinged together, with the crystals as hinges. The light to be examined is focused down the barrel of one of the tubes and spread out by one of the crystals into a rainbow. One narrow band of this color is then focused on the other crystal. Between the two, light wave lengths only a 250,000,000 of an inch can be examined. The crystals show that only about 15 per cent of the electricity going into a 500-watt lamp comes out as visible light. From one to two per cent of the current becomes ultraviolet and the rest of the waves are absorbed, or heat.

Hot Springs Quartz Crystal

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