

restriction be temporarily removed; and this is what the law expresses in the exemption clause. But permission to kill these animals during the prohibited season, for the purpose of supplying a special need, only extends to the males among them. It is to be hoped that this will be respected by sportsmen and other campers in the mountains, for their own sake as well as for the public good, and that in case of wilful violation of the law its penalties will be inflicted.

The provisions in regard to fishing ought to be generally known and strictly carried out. There must be no catching of fish between the 15th of March and the 15th of June in each year, and no set-line fishing or use of explosive substances to destroy fish at any season. These restrictions are eminently proper, and we invite our readers to learn the law, hoping that infractions of it will be complained of and its penalties duly enforced.

HOME-MADE SUGAR.

THAT marketable sugar can be profitably manufactured in Utah from cane raised in the Territory, has been argued and maintained for several years by the DESERET NEWS. We first called attention to the merits of the Early Amber as the variety of cane best suited to this climate and locality, and gave to the public the results of experiments made by Brother Anson Call of Bountiful, in the manufacture of sorghum. We have also recorded the progress made by Bishop Madsen, of Gunnison, in the manufacture of sugar on a small scale.

Brother Arthur Stayner, of Farmington, has entered into this business more extensively than any other person in the Territory, and has met with good success so far as the production of a fine quality of genuine sugar is concerned. He gained the prize offered by the Legislature to encourage this industry, and has invested all his private means in the enterprise. We are sorry that he has not been able to obtain that further aid which he hoped to receive from the Territory, so that he might be able to continue his business and enlarge his facilities for this branch of home manufacture.

But these hindrances do not act as fair arguments against the feasibility of the industry. We are quite confident that with the improvements which have been made in the process of purifying, by which the sorghum flavor is effectually eliminated, sugar can be made at home, with large profits, sufficient to supply the home market at least, and thus save to the Territory for home circulation about one million of dollars now paid out for the imported article, and also furnish employment for many hands now idle.

The following communication on this subject comes to us with a request to publish it, and we deem it of sufficient importance to give it a prominent place in our columns:

To the Farmers of Utah.

I am aware that for some time past a considerable interest has been felt, especially amongst the farmers, in the development made in the manufacture of sugar in this Territory, and therefore I have asked the privilege of the publication of a card on that subject.

There are so many persons who were and are now ready to predict that both soil and climate in this Territory are inimical to the production of sugar in paying quantities, that the success which has attended experiments in that line is received with much doubting; consequently more than an ordinary degree of demonstration and certainty is required before credence will be yielded and the assistance necessary for the firm establishment of the industry will be given. I do not write this to enter into a dissertation on the subject, but to express my entire confidence in the practicability and profit of the enterprise. My experiments have taught me that the elements here are sufficiently favorable to render the industry not only perfectly safe and reliable, but one of the most profitable in the Territory. It perhaps would be a sufficient benefit to the Territory to furnish employment for a thousand men at home, and to save for circulation a million dollars a year which is now paid out for sugar, though there were no profit besides these in the manufacture, but not only can these desirable objects be accomplished, but in addition thereto, from 20 to 25 percent. of this large amount can be made as clear profit when the enterprise is firmly established.

I am told that some of you are paying a bushel of wheat for four pounds of sugar. You raise probably twenty bushels of wheat on an acre, thus an average acre of wheat after all expenses of harvesting, threshing and marketing are paid, represents 80 pounds of sugar; now, I have actually, with quite crude and imperfect machinery, produced from one acre of cane 700 pounds of sugar and 112 gallons of molasses, which molasses if treated with sufficient and suitable machinery, could have been made to produce another 700 pounds of sugar, thus making 1,400 pounds of sugar to the acre of cane. Each ton of good cane (stripped and topped before weighing) can be made to produce 100 pounds of good sugar and five or six gallons of very fair syrup besides.

I have made my experiments very extensive and thorough, so that the results can be depended upon implicitly,

and although to the casual and uninterested reader there may not appear much in my report of them, you farmers who get only one crop in a whole year, and require a whole year to get one crop, can realize how much depends upon a correct understanding of the matters set forth in that paper, for it is certainly as important to know what you cannot do as to know what you can do. The points set forth in that paper have cost much time and money to ascertain, and there is now no reason why anybody, with that report before them, should lose either time or money on those items, and I think it contains all the points necessary to be understood in raising the crop. Any person looking at the almost total absence of economy in the present rash policy of the people of the Territory, can readily foresee that no true and permanent prosperity lies at our door. We are employing thousands of men to manufacture abroad for us, while we have large numbers of idle or only partly employed men at home. Our imports are vastly in excess of our exports, and our home manufactures are but a trifle compared with our consumption.

I am through lack of means temporarily unable to continue my efforts in establishing the industry, but I shall be pleased to answer any questions and give any information or assistance in my power to any persons or parties who may desire such, and so great is my confidence in the industry, that as soon as I can recuperate I shall prosecute my labors until I see at least one factory turning out ten thousand bags of sugar per annum. I know it is not only practicable, but also profitable when sufficient money is invested to procure the necessary plant. You shall hear from me again.

ARTHUR STAYNER,
Farmington, March 27, 1884.

The report made by Brother Stayner to the Legislature was printed in pamphlet form, and contains much valuable information on this important subject. The facts and figures given in the foregoing address to the farmers are worthy of attention. The statement that some are paying "a bushel of wheat for four pounds of sugar" may be correct, but the cases certainly must be exceptional, and it will not do to judge the average value of the products per acre, of any farm, upon such an extreme hypothesis. Ten dollars per acre as the result of a farmer's labor in Utah, per season, will not do for an estimate. There are not many who are silly enough to sell wheat now-a-days in any great quantity for fifty cents per bushel, and there is plenty of land which produces far more than an average of twenty bushels of wheat per acre.

But we do not dispute the statement that a great deal of upland in this Territory would yield the cultivator very much larger results if used to raise cane for sugar making, provided the facilities were at hand for its manufacture, than if devoted to cereals. And we think that it is bad policy to import syrup—leaving sugar out of the question—when it can be produced at home with such large profits compared with the results from ordinary crops.

We hope that Mr. Stayner will be able to recuperate, and that some of our enterprising and moneyed men will become interested in the sugar business, which will surely become, some day, one of the substantial, permanent and most profitable industries of this Territory.

THE PROTECTION OF FISH AND GAME.

THE LATEST LAW ON THE SUBJECT.

AN ACT FOR THE PROTECTION OF FISH AND GAME.

SECTION 1. Be it enacted by the Governor and Legislative Assembly of the Territory of Utah, That every person who, between the 15th day of March and the 15th day of August, in each year, wilfully takes, kills, destroys or offers for sale, quail, partridge or grouse; or who, between the 15th day of April and the 15th day of September in each year, wilfully takes, kills, destroys, or offers for sale any kind of wild ducks; or who shall at any time rob the nest of the above mentioned birds; or who shall kill any wild duck between one hour after sunset and one hour before sunrise; or who shall kill any quail for any imported game-birds or their progeny for three years next ensuing the passage of this act, shall be guilty of a misdemeanor.

Sec. 2. Every person who, between the 1st day of December, of each year, and the 1st day of September following takes, kills or destroys any elk, deer, mountain sheep or antelope; or who shall at any time kill any of the above animals for their skins, is guilty of a misdemeanor; provided, that persons camping in them mountains may, during the months of July and August, kill sufficient of the males of the above animals to furnish themselves food while camping.

Sec. 3. Every person who buys, sells, or has in his possession any of the game enumerated in the two preceding sections, taken or killed within the time during which the taking or killing thereof is prohibited, except such as are tamed or kept for show or curiosity; and every person who buys, sells, or offers for sale the skin of any animal, the killing of which is herein prohibited, is guilty of a misdemeanor.

Sec. 4. Every person who at any time takes or kills any fish, except with hook and line, or with seine, as herein-

after provided, or who shall catch or kill any trout in any way between the 15th day of March and the 15th day of June of each year is guilty of a misdemeanor; provided, That seines not more than 200 yards long and twelve feet wide, with meshes not less than 1½ inches square for fifty yards in the centre, and meshes not less than two in. square in the wings or ends thereof, may be used in Green River, and Bear and Utah Lakes, only between the first day of October of each year and the first day of June following, provided, Further, that nothing in this act shall be so construed as to prevent any person from taking fish from the public waters of the Territory, for the purpose of stocking private fish ponds, or to prohibit any person from managing or controlling his private ponds or taking fish therefrom.

Sec. 5. Every person who at any time catches or kills any fish with set line or lines, is guilty of a misdemeanor.

Sec. 6. Every person who puts into the waters of this Territory any poisonous or explosive substance, or anything that is injurious to fish, or that renders the water unfit for household purposes, is guilty of a misdemeanor.

Sec. 7. Every person who at any time takes any fish from any private fish pond or stream, without the consent of the owner is guilty of a misdemeanor.

Sec. 8. Every person, corporation, or association, who shall construct or continue to keep, any dam across any of the streams of this Territory, in which fish migrate, in such a manner as to hinder or obstruct the migration of fish to or from their spawning grounds; without providing a fishway and keeping it in repair, as provided in the following section, is guilty of a misdemeanor.

Sec. 9. The fishway for the passage of fish in large streams of water, mentioned in the preceding section, must be made in the form of a box, open at each end, not less than four feet wide and three feet high, and of plank not less than two inches thick, and it must be fastened in the water at the top of the dam and the lower end must extend to and be fastened in the pool below the dam at any angle not exceeding thirty-five degrees. Inside this box, fastened at the bottom and at one end to the side of the box, there must be pieces of plank four feet apart, placed transversely so as to cause a riffle not less than ten inches high. These pieces of plank must be thirty inches long, and so fastened as to be at right angles with the sides of the box alternately fastened, one at one side and the other at the other side of the box. Whenever the stream is small the county court of the county in which the dam is, or is to be constructed, may permit the box to be of less dimensions.

Sec. 10. That any person, corporation, or association, who has taken or may hereafter take out the waters of any stream or lake in the Territory that contains fish, shall be required to place across the head of such canal or ditch a grating of horizontal bars not more than one inch apart, sufficiently secured on the sides, to prevent fish from escaping into said canal or ditch. Failing to comply with the provisions of this section is a misdemeanor.

Sec. 11. The provisions of this act shall not apply to Indians who kill deer for their skins.

Sec. 12. All former laws for the protection of fish and game are hereby repealed.

JAMES SHARP,
Speaker of the House of Representatives.

W. W. CLUFF,
President of the Council.
Approved March 1st, 1884.

ELI H. MURRAY,
Governor of the Territory of Utah.

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SUMMONS.

MILLARD F. EAKLE, Plaintiff,
vs.
LAURA V. EAKLE, (nee Raynes) Defendant.

The People of the Territory of Utah
send Greeting:

To LAURA V. EAKLE, Defendant.

YOU ARE HEREBY REQUIRED TO appear in an action brought against you by the above named plaintiff in the Probate Court, of the County of Salt Lake, Territory of Utah, and to answer the complaint filed therein within ten days (exclusive of the day of service) after the service on you of this summons—if served within this county; or, if served out of this county, but in this district, within twenty days; otherwise within forty days.

The said action is brought to obtain a decree from this Court dissolving the marriage contract existing between said plaintiff and you. And you are hereby notified that if you fail to appear and answer the said complaint as above required, the said plaintiff will apply to this court for the relief prayed for and cost of suit.

WITNESS, the HON. E. A. SMITH, Judge, and the seal of the Probate Court, of Salt Lake County, Territory of Utah, this 25th day of March, in the year of our Lord one thousand, eight hundred and eighty-four.

JOHN C. CUTLER,
Clerk.

W12 4w

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