

watery and tasteless as the Oregon samples referred to.

Quite a few of our boys are out gathering up steers to be delivered at Salina on the 1st of July. A little money scattered about town will produce a better feeling among the lucky ones, and a little patriotism amongst the young folks on the Fourth.

Mr. and Mrs. Nicholas Sheffield, a recently married couple from Kaysville, came to visit the lady's sister, our worthy postmistress, Mrs. Lucy Adel Kimball. Mr. Sheffield met with a very painful accident while on his way from Burnt Corral on the railroad. They were met there and during the journey of twenty-five miles, he concluded to walk a short distance, and, climbing back into the vehicle in motion, his foot slipped and the wheel passed over his instep. During most of his stay here he was confined to the house or moved with the help of a pair of crutches. The lady is well known here as, formerly, Miss Arilla Brown, and the pair have the good wishes of this community.

A BIRD.

#### AGRICULTURAL COLLEGE BULLETIN.

Bulletin No. 29 of the Agricultural College of Utah has just come to hand. It consists of a statement of the results of a large number of experiments in irrigation, designed to show the amount of water to be used in irrigation. The summary of results is as follows:

1. The plats saturated to the depth of one and a half feet gave a better crop of grain than a greater or less amount.
2. For timothy, the plats saturated two and a half feet deep gave the best results.
3. Soils remove most of the solids from water applied beyond soil saturation.
4. The water that does escape from soils by leaching is richer in the elements of fertility than before it entered, the amount escaping, however, being so small that the total contains but a fraction of the solids applied.
5. Where water applied is small in amount, the temperature grows higher and higher on decreasing amounts.
6. Water applied to our gravelly soils appears to evaporate inside of twelve days.

In the same bulletin are shown the relative feeding values of timothy, lucern and wild hay, as follows:

##### SUMMARY.

1. The experiment with cattle appears to show that lucern is a more valuable food, pound for pound for growth, than timothy hay or wild hay.
  2. The above reported experiment with steers appears to show that a pound of wild hay is more valuable, pound for pound, than a pound of timothy.
  3. The above experiment with sheep appears to show that a pound of lucern hay is much more valuable than a pound of timothy or wild hay.
  4. The experiment also appears to show that a pound of wild hay is more valuable for sheep than timothy hay.
  5. It adds another proof to those secured at this station, that exercise is indispensable to appetite and growth.
- Bulletin No. 30 discusses the relative value of narrow versus wide

nutritive rations for horses. Many believe that the more varieties of food given the better the result, as the palatableness of the food, it is claimed, has a reflex influence on the appetite and digestive system. Following is the result of the experiment:

##### SUMMARY.

1. Horses receiving corn and timothy did as well as horses fed on oats, clover and timothy.
  2. The experiment seems to show that the value of food depends upon the heat units it may furnish in combustion.
  3. A wide nutritive ration up to 1:15.2 was equivalent to a nutritive ration of 1:7.3.
  4. A small amount of protein, amounting in the above experiment to eighty-two one-hundredths pounds per day per horse, was as adequate for the horses as double the amount, thus showing that a very small amount of protein per day is sufficient for a working horse.
- The bulletins will be sent free to anyone requesting them.

#### HOME INDUSTRY.

The directors of the Women's Co-operative Mercantile and Manufacturing institution held a meeting this afternoon to consider topics of interest connected with further extending the business of the association on the lines of its original organization. The institution was brought into existence near the close of the year 1890, in this city, and is the pioneer in the line of home industrial institutions for women in this part of the country. The first meeting of those who inaugurated the scheme was held November 28, 1890, at which the necessary preliminary steps were taken for commencing business, and on December 15 following the store was opened at 123 east First South street. The first saleswoman was Mrs. Caroline C. Raleigh, and the first superintendent of the dressmaking department was Mrs. Matilda P. Spencer. Less than a year after the organization the store was removed to 63 east, First South street, and later to its present location on West Temple street.

The purpose of the organization was to carry on a mercantile business for the ladies, and to develop an industrial department in which girls would be trained in millinery, dressmaking, hair dressing and various other branches, under circumstances that the products of their labor could be offered to the public. Thus it was intended to open an avenue whereby the members of the fair sex could secure employment in the manufacture of articles for which a large quantity of money was sent outside of the Territory.

From the outset the institution has had difficulties to encounter from the lack of capital, but its managers have struggled bravely along, and in the face of circumstances which ordinarily would bring failure to most enterprises have kept the institution on its feet and progressive. A fair amount of business has been done, and during the recent depression the disbursements have been kept within the receipts. First class work and fair prices has been the watchword.

One feature connected with the

business is the manufacture of ladies' cloaks, capes, and other articles of home made cloth of the finest quality. These articles, in which almost the entire trade is in the Eastern goods, are equal to the best style and superior to the same priced articles of importation. The extension now contemplated is that of making children's suits on a more extensive scale, and it is in a line that should call for the patronage of mothers in preference to that for outside goods.

The knitting factory of John C. Cutler & Bros. has been augmented by the addition of another new machine, which is put in place today. By it the heeling and toeing of hosiery, which has heretofore been comparatively tedious in machine made hosiery, is performed quickly and well by steam instead of hand power.

The knitting factory now has in operation twenty machines, giving employment to more than 20 people.

Andrew Kimball, who has been on a trip through the counties of central Utah, returned home last evening, after a very successful tour in behalf of a number of home industries. He reports the feeling of the people where he has traveled as being almost unanimous in favor of home goods.

The crops generally are looking well. There is plenty of water for irrigation, and the cool weather of June has been beneficial. The drouth which has affected the ranges for cattle has not extended to the farming districts, so there is every prospect for a bountiful harvest.

At Elsinore, Sevier county, the roller mills company is also engaged in keeping a hog ranch. There are 350 fine animals pasturing on 40 acres of lucern. The foreman reported that the food which they require in addition to the pasturage is three sacks of refuse grain a day from the mills. The last season the mills company put up 2,900 pounds of lard and 32,000 pounds of bacon; 300 hams were cured. The company furnishes the surrounding country with its supplies of that kind.

#### PLEASANT GROVE NEWS.

PLEASANT GROVE, July 1st, 1894.—The executive committee of the Black Hawk camp fire met at Springville Saturday, June 30th, 1894, for the purpose of maturing a plan for a summer's outing. It was decided to extend an invitation to all veterans who had been engaged in any expeditions against the Indians, who have resided or now live in Utah county. Invitations will also be given to members of the Mormon Battalion and the Pioneers who are residents of Utah county. August 22d is the date fixed. The encampment will be made on the Provo river, the exact spot not yet designated. Every effort will be made to make the gathering a grand success. Doubtless some invitations will be sent to veterans outside of Utah county.

Robert Freeman is the happiest man in town. His wife presented him with a fine baby boy about a week ago. The couple have been married eleven years and this is the first child to gladden their home. Brother and Sister Free-