Salem, Jan. 27. - Such an interest has been awakened throughout the rural districts in regard to free circulating libraries hat the state library commission has long ago exhausted its resources, and cannot supply libraries save where the community will raise the necessary funds to purchase the books. This is being done by a number of small would be glad to supply libraries to all the places that apply.

The next legislature will be asked to provide considerable more money for free libraries.

Miss Marvin, secretary of the state library commission, has received six free scholarships from the of thd University of Chicago, for free distribution among the convicts of the state penitentiary. Superintendent C. W. James will name the men to receive the scholarships.

The purpose is to give any prisoner who shows a disposition to reform a chance to learn some useful trade or take the preliminary steps scholarships are valued at several hundred dollars, and in the main pertain to mining and civil engineering electricity and other kindrey subjects - Telegram.

Salt Lake Streetcars Collide in Heavy

Salt Lake City, Jan 25 .- During early today at least 20 persons were injured in three collisions between streetcars. Many of the injured are school children. None, however, was tatally hurt. In each instance the cars collided head-on, the accidents occurring on single tracks. where cars are operated in both directions, with switches at intervals.

Business Men are Working Together.

Some five months ago the "Roseburg Merchants' Protective Associstion" was organized, and during its brief career it has proven to be a very good organization. Nearly all rises so far above them that they deof the Lusiness men of this city rive but little benefit from it. Foul air went right into the movement and should be removed through flues exthey have been fluning that it was a tending from the floor to the roof, and that such an association was in existence all over the eastern states and that it is being formed in all the neighboring counties with good of cubic feet of air for breathing space results.

Now the organization has been of pure air. broadened and is made a Douglas county affair. Secretary Louis Barzee, to whose untiring energy is due a great deal of the success which has come to the organization, has of the county, where the merchants! this cow: and business men have taken hold "Clarion Girl, weighing 754 pounds. of the movement almost unani mously and he now has a representative in the southern part of the county who is having good sucsess along the same line. - Umpqua Valley News.

There are nearly loo known geysers in Iceland. The two most remarkable are the Grand geyser, and the Few geyser. Another well known geyser is the Great geyser. It rises from a tunnel shaped basin each six hours the geyser is in spurting regularly for several cen- one of those small cows so much deturies and its clock like mechanism rided by some writers." year in and year out is one of the Clarion Girl is owned by Howard wonders of nature. wonders of nature.

gem stones are made is known as now going through the motions of proferent receipts, but usually includes eastern states could be cut out of the red lead, rock crystal, potassium dairy herds this year with marked benefit to the milk business in general and to the producers in particular, says The greater the amount of lead Farm Progress. These cows make too used in the production of the little milk, of too low quality and at "paste" the greater will be the too high cost. What milk they do make brilliancy and play of prismatic nets their owners a loss and by surcolors in the finished stone, and at plusing the markets aids to make the the same time the higher will be its milk business unprofitable to all who specific gravity. On the other are in it. hand, the stone loses in bardness what it gains in brilliance. An oldtime, but still serviceable, test for a cream or making butter remains in stone is to see whether it will perpetual ignorance of what each cow scratch or cut window glass, which is doing. And so it often happens that is, as a rule, harder then most imi. While some in the herd would make tatian stones. Imitations of the a profit, it is eaten up by those that real diamond or other precious way in the dairy but to keep a careful stones cannot be produced cheaply. and constant record of what each cow A large capital is required in the does. It is not hard to do, so far as this matter. manufacture, and the high degree milk is concerned. A scale and a penof purity necessary in all the ma- ell and paper in the barn are all that terials employed necesstates an amount of care, and incidentally waste, which is exceedingly expensive. Moreover, the imitation gems have to be cut and finished in precisely the same manner as the real

expensive part of the industry. Subscribe for the Nugget.



Shall the cows face out or in? is a question quite important from a sanitary point of view, yet we presume it will never be answered to the satisvillages and country settlements, faction of all concerned, says Hoard's but on the whole the commission Dairyman. Long years of study and observation have satisfied us personal by at least, that the best arrangement both for the health of the cows and keeping the stable clean is to face the cows out. The stable should be ! bout thirty-six feet wide, in the center an alley eight feet wide, through which the team or manure carrier can pass easily every day to remove the manure. Correspondence School Department This is important, for the question of keeping the stable clean of manure and urine is the most pressing of any. On It hang the health and vigor of the cows and their efficiency as milk producers. Then come a row of stalls on each side and a three foot and a half or four foot feeding alley on each side next the walls.

In the hayloft the hay chures are arranged on the sides directly over the for a scientific education. The feeding alleys. One great advantage of this arrangement is found in the effect of the King system of ventilation. The fresh air comes in at the sides over the feeding alleys. The cows facing outward get pure air constantly to breathe. Their breaths are never mingled, as in the case of facing inward; hence there is a much better prospect of health.

The only argument we can see for facing the cows laward is the greater a dense fog which prevailed here ease of feeding, but in our mind this is greatly overbulanced by the greater ease of getting rid of the homore and keeping the cows near and clean. It is a question of economy of labor and health of the cows and should be considered in that light.

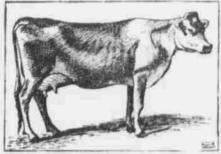
Barn Ventilation.

The average dairy barn is too open. Its ventiliation is continuous and too profuse, entering through cracks; loose, ill fitted windows, chates and other wise. The modern dairy barn should be approximately air tight, with close fitting doors and windows. The ceiling should not be more than eight feet high, for when higher than this the warm air generated by the animals wise move. They first ascertained fresh air should be supplied through openings along the side walls next to the ceiling. In planning a barn for a given number of cows it is not so much a matter of securing a given number as it is to provide sufficient circulation

A Butter Producer.

The cow Clarion Girl was eighteenth Jersey in Classes A and B in the dairy demonstration at the St. Louis world fair. Hoard's Dalryman, from which just returned from the northern part her portrait was reproduced, says of

freshened March 15, but there is no rec-



JERSEY COW CLASION GIBL.

lined and edge-1 with sinter. Its ord of her milk yield back of April 21 pipe or throat at the bottom, from The contest at St. Louis ended Oct 13, which the jet issues, is about 10 seven months after this cow's inctation feet in diameter and the basin in its period commenced, and at that date outer edge is about 70 feet. About she was giving over thirty pounds of milk, testing over 5 per cent of butter eruption and lasts for five minutes. her ancestry. Her record for the 120 It throws a vast columd of water days was 253.15 pounds of butter at a high in the air, over 200 feet high food cost of \$26.88 a pound of butter at times. This geyser has been for less than 11 cents and she was

The material of which imitation A good many so called "dairy cows" 'strass.' This is made from dif- ducing milk in the middle states and

Know Your Cows. Many a man who is selling milk or make only loss. There is no certain a needed.

The Odor of Siluge. Silage will not taint cream or milk provided it is so preserved that it does not spoil. The cows should be fed the cows. It is easier to maintain a only as much as they will consume, and stones, and this is perhaps the most this feeding must be done directly to a full flow after she has once fallen after milking. Good silage properly off. Better buy a little feed and mainhandled makes the best of milk and tain a good flow than to save feed at tream,-Farm Progress.

FEEDING DAIRY COWS.

Expect's Opinion on What Constle tutes a Good Winter Batlan.

Dr. V. H. of Pennsylvania proposes this very practical problem and asks for a solution: "I have lifteen cows milking this winter. I have on hand 15 tons of red clover hay, 8 tons of alfalta, 300 bushels of sugar beets, 2,400 binaties of corn stover, 1,000 bushels of THE EXCHANGE shelled corn, and I thought of investing \$200 for feeds. What would you propose?" This question is answered by L. W. Lighty in National Stockman and Farmer. He says:

"We will suppose the doctor wants to feed his cows six months, or 180 days, equal to feeding one cow 2,700 days. He has 30,000 pounds of red clover hay, so we may allow about tenpounds per day: 16,000 pounds of alfalfa, and we could allow five pounds per day; the stover is alumdant, so we should shred it and feed all the cows would care to glean over and use the rest for bedding. We would wish the sugar beets were a larger quantity, but let each cow have ten to fifteen pounds daily, sliceds or pulped, and they will act as an appetizer and help to keep the system in good condition-There is plenty of shelled corn, for which we are truly thankful.

"Corn is a good cow feed, a good horse feed, a good hog feed, a good poultry feed and a prefty good human feed. Yes, we know that corn is a very good feed, and we also know what we are feeding when we feed our own golden maize, which is much more than we can say when we feed many of the mixtures and abominations how offer ed by the feed dealers. Well, I think would feed about six pounds of that more if the cow gave evidence that she ould hamilie it successfully

"Now, let the doctor buy eight tone of the newest, sweetest, cleanest and flakiest bran he can get and one and a half tons of the best old process imseed meal for that \$200, or less if possible, and feed about five pounds of bran and one pound of linseed ment daily. These figures are approximate and nearly the maximum for a mature cow, a big eater and a heavy producer. Heirers and cows well advanced in period of faciation should have been grain. The linseed meal is expensive, but the roots will give out, and corn is heating. so I would be sure to include it for the health of the animal."

Salting Fodder For Cows. A dairyman who by reason of experience is in a position to know whereof he speaks recently said, "I would rather have ten tons of nicely cured fodder for my cows than twenty tons of millet bay," This dairyman generally salts the folder some when it is stacked. This, he claims, helps its keeping qualities.

Bulld a Silo.

If you have only a small herd of cows you should build a sile.

FEEDING FOR MILK

Get quality of milk by breeding, and quantity by feeding. Of the grains, corn and outs and linseed meal, together with alfalfa or clover hay, will produce the most satisfactory results in the dalry. If enslinge is fed, the ground corn should be supplemented by wheat middlings and bran. Buckwheat in any form is the poorest butter feed. Cottonseed meal is a profitable food when fed with grass, but when fed with the winter ration or butter too hard. Farm Journal.

It Pays to Feed Well.

The man who thinks it does not pay to feed cows good feed or give them good care and shelter is losing money. He thinks that by not spending money he is saving it. He does not get any to spend or save. It is like wheat. As long as it is in the bin it does not increase, but loses value. Put it in the ground the proper way and it multiplies. So with money. Put it into good cows, good feed and good barns and it multiplies. Farmers Advocate.

A Feeding Pointer.

Remember that the cow is a machine that transforms the feed you cannot eat into milk that you can consume; therefore do not put any musty, tainted feed into that machine and expect therefrom.

Feeding Refuse Sugar.

The progress of scientific dairying is shown by increased attention devoted to the subject in Russian dairying sec tions, where various systematic experlments are carried on somewhat on these lines. A recent test was to esthe substance could be used profitably being assisted by Senators. Ankeny, was concluded that linseed cake was a the Pacific northwest. better feed.

Study Grain Composition. A study of the composition of our common feeds will richly repay our position and differ only in appearance. One must be the cheaper. Yet many farmers have never given thought to mens torches.

Maintaining Milk Plow.

The dairy farmers who make the most out of the season's work are those who have the best cows and who buy weekly agricultural paper. bran, middlings or other feed if it is necessary to keep up the flow of milk and the nervous strength and power of steady flow than to bring a cow back the expense of the milk flow.

A. H. KING

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The chances for living a full century are excellent in the case of Mrs. Jennie Duncan, of Hayne-ville, Me. now 70 years old. She writes, "Electrie Bitters cured me of Chronic Dypepsla of 20 years standing and made me feel as well and strong as a young Electric Bitters cure Ston and Liver diseases, blood disorder-General debility and bodily weakness. Sold on a guarantee at Benson Pharmacy. Price only 50c

Burton Promises Money For Bar.

Washington, Jen. 18. A delegation of Oregon and Washington citi zens, consisting of Senators Fulton and Geasin, Representative W. L. ment was discussed in detail.

he situation thoroughly, and expressed his desire to do all that the delegation asked.

He said, however, that the great pressure for appropriations from all parts of the country precluded doing this, and his efforts would have to be confined to obtaining appropri ations to protect the works already through the cessation of work. There are four such projects in the country, the Columbia bar being pure and wholesome milk to issue one, and Burton may endeavor to protect these by a bill providing for

Mr. Teal, who has been working actively since his arrival here to secure proper recognition of Oregon's river and harbor needs, says that Fulton and Gearin are doing everytablish the effect of feeding refuse sug. thing possible to recure adequate ar to milk cows. It was found that appropriations, in which they are when fed with regular grain and bay Piles Heyburn and Dubois, as well rations, but, everything considered, it as the entire house delegations from

The Steamer Regulator which was on the docks at Portland being dairymen, says Farm Progress. There repaired, was burned Wednesday is no good sense in feeding two grains and two men killed from an explothat are practically the same in com- sion of the oil tanks, probably caused by the fire from the work-

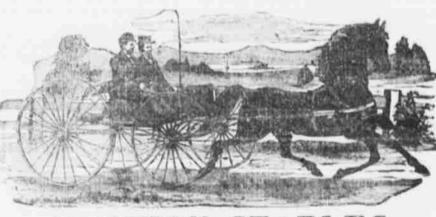
> Free with Nugget subscription, The New York Tribune Farmer, a

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Chair 25c m addition on your side Country desired for a year A output the size of the Ladies Home has been greatly enlarged and imclimpon bayors

TIALFTHE WORLD WONDERS

now the other task fives. Phose who they know it with Mrs. Urant, She 170 F. Reynolds St. Springfield, III. inges "I separate to the of the absorber

There were to have been only 15 Jones, Messrs. Harvey W. Scutt general from the terrible wreck of and Joseph N Teal, had an extended the Steamer Vallencia on the rocks dry food its tendency is to make the interview with Chairman Burton to of Vancouver, Washington, out of pay on behalf of river and harbor the 100 people abound here at the improvements in the northwest, time of the wreck. While a num-The Columbia river bar improve- ber were saved after having tossed in the rea for two days, many of Chairman Burton understands them were too for gone, to recover,

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Surest and Quickest Cure for all THROAT and I-UNG TROUB-LES, OF MONEY BACK.

The Coos Hay Harbor says that the North Inlet canal is now comthe North Inlet canal is now coma common and biver pieter and was opened for use the first of this work. This work was commenced this true last year and have seen a first of this work. This work was commenced this true last year and has cost a good many thousands of according to the first of the last year and has cost a good many thousands of according to the last year. most important public improvements undertaken in Coss county.

It extends navigation of the inlet bearly five miles and gives an outlet to many farmers, as well as creating a radioad grade with the emcription secures the Farm and bankments and reclaiming swamp lands. It also states that the box factory is working all men, running Journal and an excellent paper It to its full capacity and is in the midst of a 300,000 orange box order. Coos Bay is making a hard effort to show that it is 'it' in Ore-

Reduced Fares Announced

The tide of immigration is expected to renew its flow westward shortly after Feb. 15, on which day reduced rates of fare to Pacific coast points will be put into effect by the railroads. In connection with these reduced rates, the Southern Pacific Co. announces the following tares to points in Oregon lines, from Feb. 15 to April 17, and from Sept. 75 to Oct. 375

From Chicago, III., \$33. Bloomington III. \$31.90. From Peoria, Ill., \$31. From St. Louis, Mo., \$30. From Memphis, Tenn., \$37.50. From Omaha, Kansas City, St, Paul and Denver \$25.

A MODERN SHRACLE.

"Truly miraculous seemed the recovery of Mrs. Mollie Holt of this place," writes.J. O. R. Hooper, Woodford. Tenn. "she was so wasted by coughing up pass from her lungs. Doctors declared her end so near that her family had watched by her bed-side forty eight hours; when, at my argent request Dr. King's New Discovery was given her, with the aston-Ishing result that improvement began and continued until she finally empletely recovered and is a healthy woman today." Guaranteed cure for coughs and colls. 50c and \$1. at Benson's Pharmacy, Telal bottle-

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To take effect April 2d, 1905.

East Bound | Sand & Tuesday W. Bound and Sat only land Daily Ex-opt Sunday. No 3 No . STRITIONS | Elev | A.M. | P.M. PORT ASMILIATED 2:30:7:30 0 Cr tage Grove 671 2:50:7:30 3.7 Walden 710 2:50:7:50 5 Currin 727 2:50:7:50 6.5 cro Gordo 720 2:50:7:50 7.7 Walden 807

| S.17 | S.17 | Dorena | S07 | 10:3 | S.20, S.20 | Dorena | S41 | 10:3 | S.20, S.20 | Dorena | S41 | 10:3 | S.30, S.20 | Dorena | S41 | 10:3 | S.35, S.30 | 1 | Sewart | S41 | 10:30 | S.35, S.30 | 1 | Sewart | S41 | 10:30 | S41 | S42 | Stevart | S42 | 10:30 | S44 | S45 | 12 | Sewart | S44 | S45 | S45

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ample time to permit of it being billed.

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