THE BEE: OMAHA, SATURDAY, MARCH 15, 1913.

# Made in Nebraska STTERFEFFFFFFFF TITELSTFIERCE MADE 10000 BRASKA VEBRASKA

## Light Bills Reduced by Using Automatic Electrical Switch

Bjornson Company is Producing a High Quality Work Here

Much electricity is wasted by people who forget to furn off their lights when not in use. In the ordinary household this item of loss is not always of serious importance: in the case of large hotels, really efficient firms in its line. This however, carelessness on the part of suests who willfully or absent-mindedly nices, skylights, finals, hip rolls, gutters of and turn off their lights when leaving of all kinds, tin, iron and coppers roofs. their rooms, often results in considerable It does an immense business and em unnecessary expense.

A device recently perfected which automatically turns off the lights when a the Biornson Sheet Metal Works prides suest leaves his room, will appeal forcibly not only to hotel proprietors, but to managers of office buildings and other

buildings of a public nature where the cutting down of unnecessarily high electrio light bills is of moment. The device referred to consists of a

switch operated in connection with the lock of the door of the room. When the door is locked from the outside, the turning of the key automatically throws a switch and opens the electric circuit, turning off all the lights in the room. Where this scheme is in use the patron branches of that concern, having an inunwittingly exercises the same degree of vestment of \$250,000 in this city and emcare with regard to the house lighting

longings upon leaving the rooms, he will of bags of all kinds, horse blankets and of course forget to turn off the light as fly nets. well, but fortunately for all concerned, this type of absent-mindedness is not 'requently encountered.

#### Gate City Stationery Modera.

The Gate City Stationery company, 1104' ancks and bags are made at the plant. Dodge street, is one of the most prominent firms of its kind in the state. Printing-high class work-is one of the good business, Blank books and loose working conditions, leaf ledgers also are made and sold here. The firm prides itself on producing high Special orders are taken and given detalled attention. jobs and to offer assistance in every way which it is possible for it to do so.

In the matter of good, substantial work the Bjornson Sheet Metal Works, 218-20-22 North Fifteenth street, Omaha, stands away up at the top of the rest of the company manufactures sheet metal cor ployes a large force of men. The quality of the work is the thing that counts, and itself on the fineness of its products.

### Bemis Bag Company One of Largest of Its Kind in the Country

The Bemis Omaha Bag company, which has a spiendid exhibit at the Made-in-Nebraska show, is one of the largest ploying 255 persons. Its building at bills as he does with his personal prop-erty, which he leaves in the rooms. If stories high, squipped throughout with he is too absent-minded to lock up his be- ( all modern conveniences for the making

The company does an annual business aggregating \$2,250,000 and its territory extends over a wide range of middle western country, including half a dozen All kinds of paper and cloth states.

A large woodworking plant of the great southern lumber regions in Bogaluss, Le., features that has made the company a is an excellent example of strictly modern

The plant has an annual production of 175,000,000 feet of lumber. There are more class work. The quality is very fine and than 100 electric motors in use in the vari-the prices maintained are the lowest. ous buildings. The buildings are not compactly grouped, but are arranged for The management is a maximum production and with electric also pleased to make suggestions about power the energy developed in distributing with small loss for all of the machinery is operated from one generating room.





THINGS WITHOUT ASKING FOR THEM, -





## Hastings Milling Co. Makes Chicken Food of Very Fine Quality

Oldest Tannery of

Nebraska Owned by

## Millwork of Fine Character Made by Adams & Kelly Co.

"Silko" is the name of the good chicken The Adams & Kelly company has an food which is manufactured by the Hasinteresting display at the Made-in-Netings Milling company of Hastings, Neb. brasks show, exhibiting a full line of It is the food on which chickens grow mill work from its factory at 1202-24 fast and become healthy. The milling company guarantees its food. It does Nicholas street.

The mill work industry in Omaha, innot use screens or weed seeds .n making cluding sash, doors, mouldings and finthe product, and aims to put the best kind of chicken food on the market. All ish, is one in which outside competition is not felt, because of the cost, delays the products of the Hastings Milling company rank high, because of the quai, and misundrestandings which always ity of the ingredients and the thorouga come when mill work is bought away care that is given to all details of the from home. manufacture

Mill work in Omaha is furnished by three classes of concerns. First, the jobbing house, furnishing the regular designs from their stock and special work from an outside factory; second, the planing mills, which, of course, carry no stock and make all parts to order; third, H. Holm of Lincoln one factory only, which combines both services, having both jobbing stock from which regular sizes can be delivered im-

H. Holm of Linceln is proprietor of the mediately, and a special work factory, oldest tannery in Nebraska, it being 10making odd work right here in Omaha. cated at Lincoln, and is known as the Owing to the fact that when the mill Lincoln tannery. It was established in work is delayed the time lost by carpen-1898 and is one of the largest. Mr. Holm ters amounts to so much, it pays the has succeeded in building up a large trade builder to investigate the facilities of through thorough and straightforward the concern which makes his mill work. business methods. He invites the public

to send for price lists and catalogues, and is sure he can interest all in his goods.

### **Hastings** Packers Have Modern Plant

"Senator" brands of ham bacon and lard are made by Kauf & Rinderspacher. wholsale packers of Hastings, Neb. They are the only packers in the state outside of the big firms at South Omaha, but they have a complete plant that does a large business each year. It is modern in every way and has a splendid ice plant in connection. The trackage facilities give Kauf & Rinderspacher excellent advantages for shipping their goods to progressive one whose growth has been steady and substantial.

Haney Exhibit at Made-in-Nebraska Show of Interest

One of the most interesting of the exhibits at the Made-in-Nebraska show is that of J. H. Haney & Co., showing the high-grade harness, saddles and saddlery goods which are manufactured in the plant of this company on South Thirteenth street. The quality of the ex-hibit as well as the beauty of many of the articles have caused a great deal of comment during the show. In many ways the exhibit is unique and is one which all parts of the west. The firm is a interests all visitors. This firm is one of the most successful in the harness line in the west.

BY EDITH GRANT.

There is a man in Omaha who dreamed great bakery, which should be the most

tis possible to devise should be made, room made as dry as punk, so that no and scientifically clean, including even meal. The flour is emptied from the the air; where the sunlight could pene- sacks into a great hopper, carried thence trate into the farthest corner; where all by an endless chain of bucket elevators the work should be done "in the open." to the eifter, a huge wire gauge affair step by step, the snowy flour grow into sifted flour is conveyed by another set the snowy louf with its golden crust; of buckets to the top of the building, where marvelleus, swiftly moving ma- over the main mixing or dough room. chines should take the place of hands; where everything should move with peruformity and regularity, timed and adjusted like clockworks, so that each the first place splendidly lighted. Next, loar turned out bearing the stamp of this it is insulated like a refrigerator, every bakery, would be equally and always, inch of floor, walls and ceiling lined with day after day and year after year, up to two inch thickness of cork, and the winthe highest standard of bread that it is possible to produce.

#### Dream Comes True.

And when this dream nad taken shape in his mind, Mr. Burns set about to realize it in the most definine and practiway he knew. First, he travelled all over the country and visited every bakery he could find. He studied their good points and saw their weak spots; he made a careful investigation of all the modern machinery used in any of them. caw what results were produced by the different methods. He learned that most of the big bakeries are just little ones. which have grown up, and that their owners are making bread in the same old-fachlound way they used to years ago, with the same faults and defects, only on a larger scale. Mr. Burns made up his mind that the modern baker ought to learn his business just like a profession, study it from the outside as well as from the inside. So he came back to Omaha-for he knew that the people or Omsha like and demand goods things to cat-and he has built, on the corffer of Cuming and Twentleth streets, a spiondid, solid, sightly bakery on his own issian, of brick, concrete and steel, costing, with all the modern equipment, \$120,ton; with a daily capacity of 25,000 loaves, fireproof, dustproof and "jar-proof," and on a lot large enough so that as Omaha grows, and the "Burns' Bread" reputation grows, the capacity of the bakery can easily be doubled.

### In Front of Glass.

Half of the process of breadmaking. and the most interesting half, is carried or in front of the great plate glass win dows which form the front of the first story on Cuming street, so that anybody who is passing may stop and watch it. This is the keynote of the management. Mr. Burne invites inspection; he invites the public to come and see the whole ss, any day and every day. He has even fitted up a special inspection room for the women who want to see how he minkes his bread 1,000 loaves at a time instead of one or two. If he has time he will take you through himself, and than you will learn many things about breadmaking that will be entertaining and cause the production of every loaf of changes, even yet but dimly understood.

a dreamed it for many years, and his dreamed it for many years. Jay Burns Bakery---Where "Holsum" Bread is Made

Latest Addition to Good Things Made in Nebraska

so that anyone who would might watch. kept constantly revolving. From it the matically, and they are also registered by kept for a year if necessary. The tem-This room is on the second floor, and is peratura and the humidity of the air are tuned exactly right to make the condisound feet in size. It is the most retions most favorable for rising and to markable room in the building. It is in prevent the crusting over of the dough by surface drying. Measured and Weighed. Returning now to our flour, which has been all this time suspended over the dows all fitted with triple glass, so that no current of air can penetrate, except

great mixing room; it is dropped down as it is drived in through the ventilator. through a steel chute in the floor into Cost Just Ten Thousand Dollars. At the far end of this great room is the measured and weighed with the utmost wonderful ventilating machine, which cost precision-there is no guesswork about Mr. Burns just \$10,000, and is only the this bread. The mixer is turned by a fifteenth machine of the kind in the world thirty-horsepower motor and makes sevto be installed. It is called the Gordon enty revolutions a minute. This is only Process Air Conditioner and was invented another way of giving the dough the

is possible to devise should be made, room made as dry as punk, so that no so that the humidity of the room is main-where everything should be absolutely possible change can take place in the tained at about 30 per cent, and distrib-and scientifically clean, including even meal. The flour is emptied from the utes it through openings all over the first a decaying process, then a change room, at the same time sucking out the of form or new growth, during which exhausted or de-oxidized air. The temgas is generated, and, finding no esperature and humidity are regulated autocape, makes the dough swell up or "rise," and the more uniformly this acclockwork, so that the slightest variation tion takes place, the lighter and more makes a permanent record which can be digestible is the bread, and the less dan-

ger of the dough souring or sagging. When the flour and water have become sufficiently acquainted in this energetic mixer, the other ingredients are introduced; they are yeast, sugar, salt, lard. malt extract and milk. The entire time

consumed for mixing all the ingredients is dropped into great troughs, which are bread, on rollers and are moved up successively under the mixer, which is tipped up, althe misser. Everything, of course, is lowing the contents to fall into the lutely and perfectly clean and sanitary Here the dough is allowed to trough. hours, while the oxidization, or fermentation, is completed, under the perfect conditions of light, heat and moisture. Where Dough Starts.

bility and absolute uniformity of heat

The brown crust is the very last stage of the baking instead of forming at the outset.

#### Finished Loaves Taken Out.

The finshed loaves are then taken out, allowed to cool very slowly for about an hour, wrapped in parafine paper, placed on wooden trays, which are slid into the enclosed delivery wagons ready for the consumer. The wagons stand inside the building, so that the bread is never exposed to the air. They are pushed in and out by hand, however, in order that no horses shall be brought inside the building. It has taken seven and a half or eight hours and eight different sets is from seven to ten minutes. The dough of machinery to produce a perfect loaf of

This little sketch will show, without the necesity of special comment, how absoeverything in this bakery connected with remain for three and a half to five the manufacture of bread is; how the materials are practically never touched by gravity or electricity; how the construc-

> alling and states a manager and the second s SALE AND A PARTY SALES

#### SANITARY WRAPPING ROOM.

These ovens cost, as can readily be untain perfect cleanliness is carried still revolves, and the reason for this is be-further. The walls for half their height cause some kinds of ple take longer to bread makers that by buying his bread grees. Incidentally it took about six weeks to heat them up the first time and, are faced with white glazed tiles, and the bake than others, and so as they pass the they can get a better and more nutritiva rest of the height and the surface of the front of the oven they can be observed

perfect in the world-the world, mind you; where the very best bread that it thousands of bage of flour are kept, the degrees, pumps into it enough moisture and others not enough of the yeast ac- baked in the ordinary gas or coal range. (there is neither smoke nor ashes, nor the dust arising from stocking up with great dust arising from stocking up with great quantities of coal. Thus even the air about the building is kept as clean #s possible.

Comfortable rest and wash rooms have been provided for the employes, fitted with modern plumbing, including showurbaths for the men employed in the bake rooms. About fifty people are employed in the variols departments. The bread superintendent is a high-salaried, trained and skilled man, whose preparation for the work is almost equivalent to a professional education. On him rests all th

responsibility for the quality of the output and its uniformity. He has a labratory and tests the flour, the dough and the other ingredients, and makes the necessary modifications in time, material and temperature.

This bakery also includes a pie department, which has some special features. The fruit or other mixture is prepared in great steam-jacketed copper pots There is a very wonderful machine which hand, but pass from stage to stage by rolls out the paste, cuts it into the right size, lays it on the ple-plate, holds it tion of the building almost hermitically under the proper spout for the filler, lays

can be mashed with all the water desire L buys a bag of flour, she will use it for paid for his generous investment of capie and that it will instantly drain off. There bread, biscuit, cake, piecrust, thickening tal, brains and energy, resulting in the minately. Not so the baker. He buys one wisely planned, best built, most thor

Blue-stem and Scotch Fife and Re Turkey wheat from Nebraska. He chooses the most glutenous or rubbery flour he can find, with the greatest elasticity of quality. But for pastry he goes all the way to the state of Washington and gets a flour grown there, with the

least gluten and greatest proportion of starch possible. This makes a brittle or short dough, suitable only for pastry or crackers.

What becomes of the bread after it is baked and shipped on the delivery wagons? It goes to the grocer and confectioner in Omaha, and is distributed also in South Omaha, Council Bluffs and outlying places within a ten or twelvehour radius, which means, in some cases, 200 miles away. From the local grocer all that is not sold is taken back the next day.

#### In the Betail Store.

In a corner of the bakery a retail store is fitted up, and here, besides fresh bread and ples, stale bread bread, so designated, will be sold for 3 cents a loaf to anyone who will wrap it up and take it away. All that cannot be so disposed of is ground up and sold for chicken feed. Thus nothing is wasted. Mr. Burns does not expect to compete with the other bakers of Omahs, and he wants that point made plain. He expects to compete with home-made bread; his appeal is directly to the woman who makes her own bread and thinks it is cheaper or better than the bread she buys. Mr. Burns believes his bread is better, because he can buy the very best material in the market; because it is made more scientifically; because it is more readily digestible and therefore ore nutritive. He believes it is actually cheaper, because in computing cost the housewife does not take into consideration her own time or the fuel she uses and relatively cheaper, because in the long run the best is always the heapest. He expects to carry on a ampaign of education to prove his arguments, and it is for that reason that he will throw his bakery open to the public and have special demonstrations for the women of Omaha, so that they can see for themselves what they are getting when they buy a loaf of Burns' bread. If they learn nothing else, they will at least be, satisfied, after spending an afternoon in this most fascinating building, that it would be impossible to imagine anything cleaner of more sanitary, and some of the legends about baker's bread will be forever dispelled.

#### Omaha Eats Baker's Bread.

Thirty-five per cent of the bread eater in Omaha is bakers' bread. Mr. Burns wants to raise this to 60 per cent. This, he believes, will be a great step toward the lightening of household drudgery and the attainment of co-operative housekeep. ing, the movement toward putting women's work on a modern, acientific basis, article than they can make themselves, costing them actually less and saving their own strength and time for someestablishment in Omaha of the most



PERFECT VENTILATING SYSTEM.

by Jim Gordon of Detroit, who ten years most severe beating possible, by means derivery wagon at \$15 of which all the starch cells are burst at which they are maintained is 550 dea weak, and is now the head of the Gor- open at the same time, so that the condon-Pagie Baking company of Detroit, tents of these tiny cells may instantly with a daily output of 180,000 loaves of be attacked by the fermenting properties of course, they are never allowed to cool. what is considered by bakers the best of the yeast. This is just the point where When the dough is first put into the bread produced in America. This ma- bread made in a bakery-that is, in such over a jet of steam is turned in, which celling are of hard concrete. The floors and taken out when ready. chins changes every cubic inch of air in a bakery as this one-has its greatest has the effect of driving the heat to slant a little, and are furnished with drain A word about the flour. When the entire room every five minutes. It advantage over the home-made bread, the center of the loaf. The result is, both pipes, so that celling, walls and floors woman goes to the grocery store and thing more worthy he will feel well res profitable and well worth remembering. bruns the sir in from above the roof. The human miner cannot use enough of this steam jet and of te perfectly because the production of every loaf of carries it through a spray of water by force to break open all these calls, and moist condition of the outside of the and that it will instantly drain off. There bread, biscuit, cake, piecrust, thickening which all the dust, smoke and pollen much of the work is left to the yeast, loaf, that the baking begins in the mid- are no sharp corners between the walls and for many other purposes indiscrimost complex and mysterious chemical with which it may be mixed are washed which attacks the envelope and cats into die of the loaf instead of on the outside. and floor for dust to accumulate. changes, even yet but dimity understood. Logically the first place to go is to the great stoteroom in the basement, where