ESTABLISHED JUNE 19, 1871.

OMAHA, SUNDAY MORNING, MARCH 29, 1903.

SINGLE COPY FIVE CENTS.

## Grand Spring Millinery Opening Sale Monday.

Exquisite millinery was never so handsomely displayed in Omaha as it is this season at Hayden Bros. The entire bis department has been completely refitted enlarged and embeliahed, and will surprise and delight every lady of taste during the GRAND SPRING OPENING SALE MON-DAY. With elegant new mirrors and flixtures, scroll work, flowers, rich drapings and carpetings and latest model separate inspection and trying on apartments, it makes an ideal place for the showing and the selection of the dainty new creations that are so lavishly displayed.

IN THIS GRAND OPENING SALE YOU will have first glimpse of superb and elegant styles from London, Berlin, Paris and the eastern fashion centers.

The new spring millinery at Hayden's has that becomingness, beauty and fashion. Monday and make yourself at home in so much desired. It possesses that air of this beautiful department and see for yoursessonableness and life and newness so self the latest and most fashionable ideas much sought after by distinctive swell in ladies' headwear.



YOU ARE CORDIALLY INVITED to call See 16th street window.

## Hayden's Fine Wash Goods

The greatest assortment, the newest | SPECIAL WHITE GOODS SALEstyles, in every good washable fabric for spring and summer 1903. Special showing of the new imported 82-inch madras cloths Monday, Shirting 50-inch white French batiste, the 800

Grand showing of the newest styles in sephyr ginghams, the very best grades, fast grade, Monday, 39c a yard. 10c a yard.

and waisting styles, 45c, 25c, 25c and 15c grade, Monday, 25c a yard.

48-inch white wash chiffon, the 50c grade Monday, 25c a yard.

50-inch mercerized white mull, the 85c

colors, great variety of styles, 121ge and The handsomest styles in white waistings are now being shown at Hayden's.

## Muslin Underwear and Corset Sale

purchase of fresh, dainty, exquisite, new style muslin underwear and corsets. The most fashionable and desirable garments ever manufactured. Prices one-third to a half less than regular during this sale. Big lot of American Beauty corsets, in all sizes, worth \$1; on sale Monday

Ladies' trimmed corset covers, made of fine quality of cambric, nicely trimmed, full or tight fitting worth 85c, sale

Ladies' short hemstitched skirts, corse covers and drawers, embroidery or lace trimpies, worth 50c, at

ecreet covers, and short and long skirts. all nicely trimmed and worth \$1, Ladies' night gowns chemise, drawers and

Ladies' night gowns, chemise, drawers and

corset covers, tucked and trimmed with



corset covers, tucked and trimined with fine insertion, lace and embroidery. 75c worth \$1.50, on saie at half price. ... 75c Dr. Warner's rust proof, straight front princess hip corsets, with hose supporters, at \$1 and up.

The Nemo self-reducing corsets \$2.50 for stout figures at ... \$2.50

## **Embroidery Sale Monday**

and insertings at 1c to 121/c per yard. The biggest embroidery sale of the sea-

Clearing up all odd lots of embroidery | Fancy tuckings, worth \$1.60 to \$1.25, on sale Monday, 25c and 39c yard. Alloyer laces, worth \$1.00 to \$5.00 yard, all go at 60c to \$1.50.

## Demplete Telephone System Installed in

the New Executive Offices.

How the President is Kept in Touch with the Busy World at His Office or on the

Road.

At the White House the telephone is an important and indispensable medium for the transaction of an enormous volume of national business, writes Harold Bolce in the American Telephone Journal. During the Spanish war it was a vital factor in history making. In his message to congress in 1898 President McKinley acknowledged under the direction of an officer of the front."

signal corps. Since President Roosevelt has been at the head of the nation the telephone system, which was a special and favored feature of Mr. McKinley's White House arrangements, has been greatly amplified to meet the demands of the hour.

Sixty-five cables radiate from the new offices of the chief executive. The White telephone exchange is a central office exclusively under government control. Its private wires connect with all federal

officials and with every branch of the national government at Washington. The operators are government employes, and as none of the White House communications advertent leakage or betrayal of confidence

Not a syllable of the half-million measages spoken annually over the wires has regiments were operating. ever been divulged. President Roosevelt, who, as a modern man of intense activity, is a persistent patron of the telephone, has unquestioned confidence in the inviolate trustworthiness of the White House system Matters vitally affecting the relationship of nations are discussed over the telephone as freely as they are broached in the sessions of the cabinet.

## Present Equipment.

The present telephone system at the to the White House. White House, although under government control, is owned by the local company.

never closed. This is also true of its tele-House receptions, might imagine that the at the White House. life of a president was largely a round of The night before I

of vast practical activity, and that here, Buffalo. surrounded by elicking telegraphs and whirif not ahead, of the times in the matter of CONTRASTS WITH WAR TIME METHODS telephone and telegraph facilities.

During the civil war, Mr. Edward Rose

"As I look back," said Mr. Rosewater, "It seems incredible that the government had not then awakened to the necessity of running wires directly to the White House. All messages for the president were received in the offices of the War department, and as we had no telephone then and the president was sometimes impatient of messengers, it was a common thing to see Mr. Lincoln walk into my office at all hours the great service of the telephone and tele- of the day and night. He would stand at graph system at the White House, operated my deak and wait for messages from the

plishing this extraordinary achievement is

a matter of unique interest. Then, as now, Captain Benjamin F. Montgomery of the signal corps, a scientist and officer of unusual intelligence, was in charge over the telephone to departmental officials of the White House telephone and telepass through the city central office, any in- graph system. He prepared elaborate maps of Cuba and adjacent waters, of Porto Rico, the Philippines, and, in fact, of all lands and seas on which American ships and

> At the front the "flying telephone" system under the direction of General Greely, Colonel Samuel Reber and other signal service experts, followed both ships and soldiers, and in some instances led the advance. Everything known to the officers on the firing line was instantly communicated by telephone to the nearest telegraph instrument and thence by direct private wire

On Colonel Montgomery's big war maps the movements of troops and vessels were The government pays annual rental for the indicated by pegs, and President McKinley. wires and instruments. In installing this watching the progress of battles, sent diservice the company acted under official rect commands to his generals and adinstructions to equip the White House with mirals. For the first time in American bisthe most complete system known to modern | tory the president, in the fullest sense, was enabled from his executive office to exer-

The White House telephone exchange is cise his prerogative as commander-in-chief. Not only did President McKinley's vigigraph office. Day and night the executive last direction of the war render telephone mansion is in touch with the entire official service indispensable at the front, but it and commercial world and the wires are likewise made it necessary that he should always kept busy. The ordinary reader, never himself get beyond telephone call. noting the reports of elaborate White Thus began the modern telephone service

## Tremendous Purchase of Silks from the Hart Van Nestor Co., New York, on Sale Monday



Hart, Van Nestor Co., Broome Street, New York, Americas leading silk jobbers, accept our spot cash offer for their entire stock of sample bolts of silks. No two bolts are alike, and every bolt contains from 10 to 50 yards of silk. It's the biggest snap we ever got hold of.

These sample bolts represent the different lines of silks made by the greatest silk mills of both Europe and America, and are the finest silks ever br ught into this western country. Prices talk and we will make prices that cannot be touched by any other house in America.

Monday morning at eight o'clock promptly, this great sale win commence, and we cannot impress upon you too strongly the necessity of being on hand early. The best things will be put out first, and besides you will get better service in the morning.

Sample Bolts Silk

White and cream Moire Silk, white Taffets, white China, white Surah, white Brocade Taffeta, worth up to 75c, at 25c Sample Bolts Rich Fancy Silks Brocades, dots irredesant, two tone fancies, lace and embroidered stripes, swell silks, no two pieces alike silks actually worth 75c and \$1, in this sale...... 39c

Sample Bolts Plain Silks

Fine taffetas, purse silk satin libertles, in 200 Sample Bolts of New Silks for evening shades, heavy Gro Grain and Armure weaves, in soli I colors, Siks 49c

Sample Bolts White and Cream Crepe de Chine, 27-in, heavy colored Taffeta Silks, fine Peau de Cygne, fine Peau de Soie fine Louisene in all the new 698 spring shades

Extra Special Imported exclusive embroidered WARTE SILK WAIST PATTERNS, only one of a kind, each pattern contains enough slik to make a waist, and is beautifully em-broidered pattern, worth \$15,

Shirt Walst Suits

White, yard wide, wash silk, the nobbiest

shirtwalst suit, and in this lot every tasic can be suited. The new rough erfects, in Pongge and Shantung. In both natural and colors, stripes, pin checks polikadots, broche and embroidered depolikadots, broche and embroidered depolikadots, broche and embroidered depolikadots. signa, the swellest shirt waist suitings in the whole land, all sample pieces, and many in this lot sell regularly at \$2.986

25 Sample Bolts of Extra Fine

Sale at Zec.

ELACK TAFFETA, fine rustling silk, 19 inches wide, worth \$1, for \$4c.

BLACK TAFFETA SILK, 20 inches wide, sorth \$1, for \$4c.

BLACK PEAU DE SOIE, 21 inches wide, fine grade, worth \$1, for \$4c.

BLACK PEAU DE SOIE, 21 inches wide, worth \$1, for \$4c.

BLACK PEAU DE SOIE, 21 inches wide, worth \$1, for \$1c.

BLACK PEAU DE SOIE, 21 inches wide, worth \$1, for \$1c.

BLACK PEAU DE SOIE, 21 inches wide, worth \$2, for \$1c.

BLACK PEAU DE SOIE, 22 inches wide, worth \$2, for \$1c.

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BLACK PEAU DE SOIE, 22 inches wide, worth \$2, for \$1c. 25 Sample Bolts of Extra Fine

White, yard wide, wash silk, the nobblest silks for shirt wasts, warranted to wash, full 36-in, wide and some are worth 50c.

BLACK TAFFETA SILK, 27-in., worth actually worth 55, on sale for \$1.75.

BLACK TAFFETA SILK, 27-in., worth silks on sale for \$1.75.

BLACK PEAU DE SOIE, 28 inches wide, actually worth \$5, on sale for \$1.75.

BLACK PEAU DE SOIE, 28 inches wide, actually worth \$1.56, for \$1.65.

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BLACK PEAU DE SOIE, 28 inches wide, actually worth \$1.56, for \$1.65. 586 BLACK TAFFETA SILK, 36 inches wide, BLACK PEAU DE SOIE, 36 inches wide, worth 52, for \$1.56.

## Monday in Domestic Room

25c black mercerized sateen, in lengths, \$3 quality % all linen bleached napkins, from 2 to 10 yards, at 10c. Simpson's black sateens, from 2 to

yards, 5c. 1214c seersucker ginghams, &c. 15c seersucker ginghams, 615c. French plaids, worth 25c, 123c. 19e cotton plaids, 10c.

Imported mercerized Chambry ginghams, and Leno stripes at 10c sd. worth 40c, 17c. Imported Madras, for fine waists, regular

32-in. Madras, worth 19c, 19c. 121/c figured sateenes, all colors, 71/c. 1234c figured sateens, all colors, 74c .-1214c flannellette, 21/2c.

No grade, 18c.

6c prints, 21/2c. 36-in, percales, worth 15c and 19e, 5c, Best apron gingham made, 540. Best Chambry, in lengths from 2 to 8 vards, worth 12%0, 6%c.

### Linens in Domestic Room \$2.50 value double satin damask linen, 72

inches wide, all the new patterns, at \$1.69

\$2 value double satin damask, 72 inches wide, 25 patterns to select from, at \$1.25 yd. \$1.25 value satin damask linen, 72 inches wide, all the new patterns, with wide open borders, at 75c yard. 85c value full bleached table linen. 72 inches wide, a big value at 59c yard, \$1.50 quality % all linen bleached napidna;

\$1 doz. \$2 quality % all linen bleached napkins, \$2.60 quality % all linen bleached napitins, \$1.79 don.

### White Goods in Domestic Reom

40-in, apron lawn, 125gc yd. 18c value dimittes, natusooks, dot Swisse-25c value India linen, at I'c yd

25c value self finish nainsook at 15c yd. 30c value Persian lawns at 20c yd. 18c value 36-inch Swisses come in all

size, dots and fancy weaves, at 1214c yard 15c quality English long cloths, 36 Inches wide, made from fine soft finish cotton. only 12 yards to one customer-12 yards for \$1.19.

### Sheets and Cases

IN DOMESTIC ROOM.

55c quality bleached sheets, size 72x90, with 3-inch hem, at 42%c. 59c quality bleached sheets, size \$1x90 with 2-inch hem, at 45c. 75c quality bleached sheets, size 90x90,

made from New York mill sheeting, at 59c. 50c quality bleached sheets, size 63x90, with 3-inch hem, at 39c. 16c pillow cases, size 42x36, made from Wamsutta cotton, at 121/2c.

18e pillow cases, size 45x36, made from Wamsutta cotton, at 13%c. 20c pillow cases, size 50x36, at 15c. P. S -Special sales all day in our sheeting and musiin dept.

## The Leading Dress Goods House

Monday will be a great dress goods day in our wool dress goods department.

\$1.50. Priestley's black \$2.98 crisp-

iline, \$1.75. Lupin's colored \$1.50 voiles,

Lupin's colored \$1.98 voiles, \$1.35. Lupin's silk warp \$2.98 voiles,

\$1.50 Arnold's new German spring novelties, made to sell at \$2.50,

\$1.98 Scotch novelties will go at \$1.25. William F. Read's Lansdowne, \$1.25. Sublime, an imitation of lansdowne, 89c. All our 75c and \$1.00 wool waistings, 58c.

go at 58c. plication.

## Great Spring Sale of Hayden's Great Reduc-Carpets-Rugs-Curtains tion Sale on Groceries

of the West If you are thinking of purchasing a rug or carpet now is the time to do so at a saving of about 25 per cent. We are showing a very complete stock. All new designs and colorings.

## Special Rug Offer

Our \$1.35 velvet carpets for this Our 11 Brussels in this sale Our 75c Brussels 49c Heavy all wool ingrain carpets, 75c Good grade of china matting, per yard..... Ruffled muslin curtain goods, nicely broidered, 40 inches wide, every yard worth 25c; sale price.......

## Spring Clearing Sale of Furniture

A splendid array of bargains for shrewd conomical buyers. All 75c and \$1.00 silk striped challis will Go-carts and baby carriages in the most complete variety ever shown in Omaha. The highest grade at lowest prices-\$5 and up. Priestley's new cravenetted mohairs, 58
Iron beds, 350 styles to choose from, at
in wide, for fine dresses, ragians, etc., \$1.98.
Samples now ready and sent free on application.

Iron beds, 350 styles to choose from, at
1.75 and up.
Couches, 50 styles, at from \$2.75 and up.
Combination book cases at from \$9.95 up.
Chamber suits, bed, dresser and commode, at \$11.50 and up. Chiffoniers, 45 styles, at from \$2.95 and up.

Calfoniers, 46 styles, at from \$2.55 and to Cupboards, 25 styles, at from \$3.55 and to Dresser. 75 styles to select from. Beaks, ladies, at \$4.85 and up. Extension tables at \$3.50 and up. Parlor tables at \$3.50 and up. Breakfast tables at \$2.55 and up. Kitchen tables at \$2.55 and up. Kitchen cabinets at \$2.50. Chairs at 39c and up. Rockers at \$9c and up. Rockers at \$9c and up. Sideboards at \$1.55 and up. Buffets at \$11.55 and up.

Pearl hominy, per Ib. German sago, per 1b., ac Fancy split lentils, per lb., 612c. Good Japan rice, Sc. Neutrita, the new breakfast food, pe

Malta Ceres, per pkg., 10c 5-lb, pkg. Mayflower oats, 19c. 1-lb. pkg. Granola, He.

2-lb. pkg. pancake floar, 74c. Breakfast cocoa, per can, 10c. 3-lb. cans green gage, egg or Dawson plums, 12%c. 1-lb. pkg. condensed mincemeat, 5c



isfaction. Department in charge of expert refractionist. Gold-filled frames, guaranteed 10 years, \$3.00 value at \$1.69. Aluminold spectacles and eye glasses, fine imported lenses, \$2.00 value, at PSc.

The celebrated "reading" spectacles, sole for \$1.00 generally, now 49c.

per yard up. All the new dress braids, fancy drops and tassels now in stock.

A complete line of evening shade trimmings on sale.

Silko --- Silko

# MAN BIR

War Time Inconveniences.

that came to the president.

In striking contrast to this picture of Lincoln, striding over to the War department and waiting around for messages, is the record of the way the signal service, by the use of the telephone and telegraph made it possible for President McKinley actually to direct the movements of fleets and battalions during engagements in the Spanish war. But for the unquestioned official reports it would tax one's credulity. The part the telephone played in accom-

In Touch with the Firing Line.

The night before President McKinley left spectacular gayety, and that one of his Canton, O., for the fatal trip to Buffalo he most exacting duties was to stand and smile called up the White House by long distance upon an almost endless procession of great telephone and asked for definite data in regard to the service the telephone had A visit to the new offices of the White rendered during the Spanish war. The facts

Three minutes from the moment Presiring telephones, he is presiding over the dent McKinley was struck down at Buffalo Benjamin Barnes and Colonel Montgomery at the White House. In less than fifteen minutes from the moment the assassin shot | men of the day. the president this long distance telephone water, now editor and proprietor of The was in use. It was over this wire that the are greatly aided by the use of the telefirst official details of the crime were received at the White House, and without are favorably committed to impromptu funcinterruption, day or night, this wire con- tions, the guests at which are almost intinued to convey telephone tidings of the stricken ruler, communications between cabinet officers and general instructions relating to national affairs from September 6, 1901, to the moment the funeral cortege

started to Washington. An Independent System. It has been during President Roosevelt's administration that the White House telephone system was made a central office. absolutely independent of the city central. Four trunk lines connect the White House with the outside world, and they are kept busy. It is between the White House and the departments, however, on the exclusive

lines that the great volume of business is transacted. The Treasury department, for example, has nearly 100 telephones. All these are directly connected with the White House, so that if the president or any member of the White House force wishes to speak with, say the commissioner of internal revenue, the director of the mint, the superintendent of the coast and geodetic survey or any other treasury official, connection is made

without delay and over wires entirely under government control. In the same way all senators and representatives at the capitol can be spoken to directly from the White House, and, of course, the State, War, Navy. Agricultural and Interior departments, the Department of Labor, the Smithsonian institution, and, in fact, every federal branch is in constant touch by telephone with the White House. Thus, in the aggregate, in the

White House telephone system there are several hundred miles of exclusive wire. In the offices of the White House there are seventeen separate telephones. Secretary Loeb has a telephone at his desk through which he transacts much of the executive business assigned to him. His chief assistant, Mr. Barnes, who sits at a desk by his side, also has a telephone which begins ringing early in the morning and continues with little cessation until

long after the close of official hours. But President Roosevelt, while he uses the telephone a great deal, does not have one at his desk. When some senator, financier or perchance some obscure citizen who has a communication which only the president can attend to asks to talk with the president, Mr. Roosevelt leaves his desk. walks rapidly through Mr. Loeb's room and, entering the office of Colonel Montgomery hurries into a telephone booth, closing the door after him. In such instances not even the White House operator listens to the conversation, so that only the president and the person at the other end of the wire are possessed of the information contained in

Long-Distance Talks. House readily convinces one that the were furnished him by telephone, and he dential character the president scats him- has three pupples."

conversation

HELLO AT THE WHITE HOUSE american president is pre-emigently a man embodied them in his famous speech at self at Colonel Montgomery's desk and talks PURE DRINK FOR IRON HORSE through that official's telephone. The president is very frequently in con versation over the long distance with New business office of the nation. It is only arrangements were being rushed to established to established the within recent years that the Wuite House lish an exclusive long distance telephone Before the coal operators and the miners management determined to keep abreast, circuit between Secretary Cortelyou at the agreed to arbitrate Mr. Morgan on several president's side and Assistant Secretary occasions called up the White House from New York, whereupon conversation was HUGE PLANTS TO PURIFY THE WATER established between the two most strenuous The social features of the White House

> phone. The president's wife and daughter variably summoned by telephone. When the president travels the telephone at the White House is kept exceptionally busy. From every city where the president stops word is at once sent by telephone to

the White House, and the business of the with the same ease and expedition that would result if the president were simply and within a few years, twenty-five more telephoning from an adjacent room instead of from some point 1,000 miles distant from the road a complete system of purifying the executive offices. So important has it become that the president should maintain constant telephone communication with the government

at Washington that telephone terminals are wherever stops are made, even at small stations, the wires are quickly connected | and the president enabled to talk with the White House, generally getting connection with the long distance line through the local exchange.

PRATTLE OF THE YOUNGSTERS.

Little Girl-Did your mother tell your father to spank you when you misbe-Little Boy-Nope; mother's an independ-

After a few moments' bard labor Johnny ubmitted the following: "The contents of cow is milk." "Oh, mamma!" exclaimed little Edith, as a one-armed man passed the house, there goes a man in the same fix as my

dolly; all the sawdust has runned out of

his arm!"

"Johnny," said the teacher, "write

sentence containing the word 'contents'

One evening the mother of a 3-year-old miss said: "Bessie, I see you yawning; it is time you were in bed." "I wasn't yawning , mamma," replied

Bessle "That was a new kind of a smile

Teacher-What is the meaning of "par-Johnny-An unstart. Teacher-Give a sentence in which the word is used. Johnny-When a man sits down on a bent pin he gives a violent parvenu.

A Missouri teacher is said to have exin too late for the definition, but concluded to take part in the exercises, nevertheless. When the matter is not of such a confi- Her sentence was as follows; "Our dogma fying plants.

New Feature in Railroad Economy is Introduced on Union Pacific.

Presence of Mineral Salts a Menace to Boller Flues and Steps Are Taken to Remove

Them. The Union Pacific is working toward an siderable quantities in well water and era of good water for its locomotive boilers, and to this end has installed one water purifying plant and has five in course of construction, and a like number contracted government is taken up and carried on for. These plants will be installed between Council Bluffs and Cheyenne. Ultimately plants will be added to the system, giving

plants at all of the points where the water is not satisfactory for boiler use. There are not over thirty-five water puri fying plants in the country and one-half of these are not for the use of railroads. put up in the car in which he travels, and France, Germany and England have all taken up the work and practically all of

the water used by locomotives in these countries is purified. In the eastern states, where water is uni formly purer than in the west, the flues in a boiler have a life of 200,000 miles and tightening. Compared with the flue mileage life, as the life of flues in the west does not average much over 40,000 miles. This difference is due solely to the difference of the water. The life of the flues with pure water is from four to ten times greater than that of those where the water

contains mineral salts common to well water in the west,

Impurities in Western Water. The water used by the Union Pacific is drawn almost entirely from wells and con- the largest of the company's locomotives to tains a quantity of carbonates and sul- replenish their tanks in passing. When the phates of lime, magnesium and iron, entire system is completed the company which all cause hard or soft scale and are will be able to purify about 15,000,000 galdangerous to the life of the boiler. There lons daily and will serve the company for is also a large quantity of alkali present, all time. but this it is impossible to remove except by distilling, and the cost of distillation is for the company to analyze the water, as presence of the alkali in the water does and care has to be taken that the chemicals the water does not foam sufficiently to great a quantity of soda ash would increase cause any inconvenience.

salts in the water used in the boilers has ever present. caused the use of tons of boiler compounds, which were of little real benefit. The danger of feaming was increased with their the Missouri, other reads are appreciating and kitchen use and the boilers still scaled. Rallroads everywhere have made it a and a cafeful study of the matter. It is

point to use city water where it is obtained certain that within a few years the start from streams and creeks or from lakes, as that the Union Pacific has made will be Remedy when druggists use it in their perienced the following: After explain- this is purer than well water. The Chi- followed by a majority of the western roads own families in preference to any other. ing the meaning of the word "dogma" to cago & Alton railway, at a great expense, and water purifying plants will exist every- "I have sold Chamberlain's Cough Remedy her pupils she wrote it on the blackboard built a series of reservoirs which secured and asked her pupils to compose sentences for its motive power surface water, but this containing the word. One little girl came | contains a trace of organic matter that corrodes the boiler and is a continued expense almost as great as that of operating puri-

road that has as yet taken steps in this matter and it has built a series of plants UNIQUE CHURCH BUILDING along its line between Omaha and Chicago

that is practically complete. The results obtained are very satisfactory.

How It is Accomplished. All of the water purifying plants in this ples and differ only in their manner of operation. Carbonates of lime, magnesium and iron are commonly held in solution by water. Their presence in the water causes soft scale to form in the boilers. Slaked lime will precipitate them as it will also precipitate chloride of magnesium, which corrodes the boiler tubes. Sulphates of lime and megnesium are also found in con-

on the sides and tubes of the boiler. The sulphates can be precipitated out with soda ash. Both soda ash and slaked lime are cheap ommodities and the principal salts found in well water which cause corrosion and scaling are separated from the water by their addition. The addition of these chemicals causes a precipitate and this must be removed from the water before it is introduced into the boiler, so it is neces-

sary to either allow the precipitate to settle or to remove it by filtration. The Union Pacific, in their system, will ! combine the two methods of separation. The water is pumped to the top of the and soda ash and is then partly filtered and drawn off from the top of the tank after a like distance with a little caulking and having settled. The system is continuous and requires from four to four and a half west of the Mississippi this is a very long | hours to perform its functions. It requires no more labor to run a water tank containing the purifying apparatus than one not so arranged, and the only cost sustained in the process is that of the chemicals and

averages from 1 to 2 cents for 1,000 gallons. Capacity of the Plants.

The plants arranged for have capacities ranging from 300,000 to 500,000 gailons daily and are large enough for from 60 to 100 of

From time to time it will be necessary too great for it to be practicable. The its chemical composition is likely to change having an entrance from the south side. not affect the boiler to any great extent be added in their proper quantity, as too beyond causing it to foam, and with care little would not purify the water and too the aikali present and consequently in-For years the presence of the deleterious crease the danger from foaming which is these being separated from the larger While the Union Pacific is the pioneer in the matter of water purification west of

the situation and making extensive tests more than saves itself to the decreased The Northwestern is the only western lack as peals on the boller plates and flues. it very efficacious."

## Large sacks pure granulated cornmeal

1-lb. jars whole fruit jam, 12%c.

Just received, a new lot of these goods, on sale Monday 2 for 5c; worth 25c.

Plans for the New Edifice of the First Baptist Congregation.

country depend upon the chemical princi- WILL COST FORTY THOUSAND DOLLARS Structure Will Be Erected at the Southeast Corner of Harney

Street and Park Avenue

in Near Future. The plans and specifications for the new First Baptist church are now lying in the through them a hard scale is precipitated office of Architect John McDonald and have been accepted by the building committee of the congregation. It is the intention to begin work about June 1. Ground on the southeast corner of Harney street and Park avenue has been secured and paid for. The lots are 135x170 feet, and the building

will face to the west. The new church is to seat 700 and will cost about \$40,000. The new building, which follows the Italian renaissance, will be on lines that are novel. In the west, the auditorium being under a great dome. There will be no spire. At the front there will be an elaborate entrance and vestibule with six Ionic columns of stone. The same effect will obtain on the sides by Ionic pilasters. water tank and allowed to run over and On the Harney street face will be an elabothrough a prepared solution of slaked lime rate memorial window and a skylight in the center of the dome will add to the light of the interior. The walls will be of grey pressed brick, with Bedford stone finishings. The highest point of the building, which is sixty-seven feet from the ground, will be the apex of the dome. The extreme width is seven feet and the depth 107 feet, with an addition of seven feet in the

portico. The Main Auditorium

The auditorium is an octagonal room, 67x68 feet, with sloping floor and seats set on curved lines. The dome wich surmounts it rises to forty feet on the interior. The vestibule leading to the auditorium is 14x44 feet and the main entrance is on Park avenue. At the back, above the pulpit, is a large organ loft and choir, in which will be a large, new organ. There will be a baleony over the portico at the opposite end. Under the organ loft, a robing room, choir room, library and pastor's study are arranged for, the latter

The basement under the auditorium is entered fust north of the portice. The principal room is the Sunday school meeting place, which is to be 46x48 feet. Then there are three class rooms, 22x30 feet, apartment by movable partitions. There is also a kindergarden room, women's parlor, secretary's room, store room, toilet, pantry

## A Good Cough Medicine.

it speaks well for Chamberlain's Cough where that locomotives replenish their for the past five years with complete auttanks, as the cost of installing the plants in infaction to myself and customers," says neignificant and the cost of purincation Druggist J. Goldsmith, Van Etten, N. Y. "I have always used it in my own family estarioration of the flues and the saving both for ordinary coughs and colds and for ands in coal consumption because of the the cough following is grippe, and find