American Watches

Diamonds

Jewelry

Our seven representatives are now in their respective territories with a larger and better stock than we have ever shown before:

Our customers will appreciate this when they look through the line. Dealers who are not customers may wish to see it. A word from you may enable us to send our traveler to you. If this is impossible, we can send goods on memorandum if you will indicate what you would like to see.

We shall hope to serve you through our travelers or by express.

Mail orders solicited and will receive our best attention. Hayden W. Wheeler & Co.

2 Maiden Lane, New York



If you come this way this Summer, it will pay you to step in and see what we are showing for next season.

If you sell Table Ware you must see ours, or you will not be up to date.

If you handle our glass you will have something everybody knows about.

It is no trouble to sell Dorflinger glass, and you can safely recommend it.

C. Dorflinger & Sons

36 Murray Street, New York

New York Letter.

All good New Yorkers are taking care to explain that the first property of the property of the

Some business men of this city are making an effort to secure a change in the present rule by which the government does not print anything in the nature of an advertisement on stamped envelopes. The government will print the name and address of purchasers of stamped envelopes in lots of 100 or more for a nominal price, but the rule against advertisements is emstrued so strictly that the mention of the business in which the person is engaged is forbidden. The business men who favor the change say that the government should print a business card of reasonable size. The argument made by them is that the stamped envelope is a real necessity. When envelopes enclosing circulars are sent out in large quantities some will be overlooked and stamps will not be put on, and the circulars will be lost for lack of postage, which is due sometimes to the falling off of the one cent stamp hastily affixed oy the clerk.

The railroads forming what is known as the Southwestern Passenger Bureau, having juris-diction over the roads in Texas, Indian Territory and Oklahoma, have declined to grant the application of the Merchants' Association for reduced rates from the territory in which they operate. The roads in the Trunk Line and Central Passenger Associations, having jurisdic tion as far west as the Mississippi River, recliants' Association sent William R. Corwine, of its office staff, to St. Louis to argue before the sailroads in favor of similar rates being granted from the Southwest to New York. In that railway association it only takes one vote to negative a proposition of this kind. That vote was east. The application was therefore word was cast. The application was interested denied. A meeting of the principal bouses doing business with the Southwest was called at the rooms of the Merchants' Association. They unani-

at the rooms of the Merchants' Association. They unanimously authorized the Merchants' Association to take such steps as it deemed best to get trade from that territory. The Southwestern roads have all granted a series of dates on which reduced-rate tickets will be sold to St. Louis, but declined to grant the rates to New York.

L. Strais & Sons received last month one of the largest consignments of marble statuary that has been received in this port for a good while. It included you packages of Italian marble busts, figures and groups of various sizes in both Castallian and Carram marble. The consignment included both classic and modern designs, are more in demand at the present time. The Castallian arrable with the glazed finish formed a large proportion of the shipment. Among the figures were a large variety of pedestals, mostly of white marble. These are coming into use again and the demand for them is larger than for sev-

A new wrinkle in the way of ministering to the connorit of patrons has been inaugareted by B. Kahn & Son, wholesale opticians, at their salesroom, 32 Maiden Lane. They have installed a carboy of plain 32d water enclosed in a neat wood chest, from which all callers can quench an ever-present thint on these hot days. The idea was first started by some of the leading eiger dealers on the Lane, and soon became so popular with their customers as to lead to the adoption of the scheme by Kahn & Co. The expense is not great and the idea might be adopted elsewhere to not designed.

Walter J. King, of the Julius King Optical Co., leaves in a few days for Chantauqua, where he owns a cottage and his family spend the summer months. Dr. King, his father, has been a visitor to the cottage for a mouth or more past, enjoying a good, long rest. Walter will only remain the usual vacation season.

R. H. Davidson, Springfield, Mass., and J. Krank, Schenectady, N. V., were among the retailers, shopping and sightseeing in this city last month.

sightseeing in this city last month.

Bernard H. Blank has just started on a two-months' trip to the Pacific Coast with a line of optical goods and opera glasses for Hammel, Righander & Co., New York, visting the jobbing trade only. Chicago will be his first stop and all the large cities across the continent will be visited during the trip. This is Mr. Blank's first trip in nine months, the longest layoff he has had for fifteen years, and no doubt his reception will be all the more hearty from his many fireds who missed his usual apring visit.

The out-of-town Jewelers who expect to visit this city to purchase Fall stock, will be pleased to learn that the Merchants' Association's request for reduced rates for visiting buyers has been granted by the Central Passenger Association and the Trunk Line Association.

The Central Passenger Association covers the territory west from Buffalo, N. Y., and Pittsburg, Pa., to the Mississippi River including Chicago and St. Louis; south to the Ohio River, but including Northern Kentucky, and north into Canada. The dates for which the reduced rates are granted are August 4th to 8th, inclusive, and August 24th to 20th, inclusive. The rate of fare will be not fare and one-third for the round trip; the return limit on each ticket will be 30 days from date of sale. The general terms and conditions will be the same as those heretofore governing similar concessions.

The Trunk Line Association covers the section of the country lying east of Buffalo, N.Y., Pittsburg, Pa., Wheeling, W.Va., to the New England boundary, and south to the line of the Ohlo and Potomac rivers, including Baltimore and Washington. The dates from Trunk Line territory are August 25th to 20th, inclusive, and September 1st to 4th, inclusive.

A. Thoma, of the firm of Thoma Brox, wholesale material and tool dealers, of Cincinnati, Ohio, upent a part of Last month in this city, buying a fresh stock for the new pibbig business the firm have recently opened at Cincinnati. He reported the prospects in the new field as exceedingly leight. The firm is not a stranger to the Western trade, and the members are known as bright and enterprising young men of tried integrity.

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The Jewelers' McKinley & Hobart Club, which paraf ded goo men in the business men's parade in 1896, did not
dissolve. President Joseph B. Bowden called the executive
committee of the club together and it was unanimously
voted that headquarters should be immediately excured and
active work among the jewelers of the country commenced
of at once. Two large flags will shortly be fingue to the luceze
in Maiden Lane and John Street, inscribed "McKinley and
Roosevelt," "at which time prominent speakers will address
the trade. As in 1896, noon needings will be languarted
and a thorough canvass will be made, overring the entire
jewelry trade of the city and adjoining Street. The officers

O. G. Fessenden, chairman executive committee, and John L. Saepberd, acretary.

Among the foreign buyers in this city last month were Oscar Mueller, an enterprising young jeweler and optician of Panama, and Jeweler Richards, of Barbadees. Both merchants do almost their entire buying in this market. While here they made their headquarters with the Spencer Optical Co., whose goods they handle largely.

of the club are: Joseph B. Bowden, president; Charles L. Tiffany, first vice-president; Charles F. Wood, treasurer;

Wm. I. Rosenfeld, the watch jobber, leaves town early these days for Eiberon, the fashionable watering resort, where he has a cottage. There is a superior attraction, however, to even the advantages of a well-ordered summer resort in the person of a Miss Rosenfeld, who joined the family circle recently. Although not a smoker himself, Mr. R. keeps a box of a well-known brand of cigars on tap for friends extending concretabilations.

for friends extending congratulations.

Prof. A. Mayer, one of the oldest opticians in this country, net a violent death in this city recently by being run over by a cable car at Nicety-second Street and Columbus Avenne. For a number of years past Prof. Mayer has done refractive work at the jewelry store of Mrs. Lynch, I Union Square. Previously he was member of the firm of Stern & Mayer, who did a wholesale and manufacturing optical business at 4 Maiden Lane. Many years ago be was engaged in manufacturing optical goods at Hartford.

Conn. In all, he had been engaged for about forty-five years in the trade. He previously traveled considerable and was well known in all sections of the country. He leaves a widow and traveling representative of the American Spectacle Co., of this city.

Treasurer John Spencer, of the Spencer Optical Co., spent the month of July with his family at Blue Mountain Lake, in the northern part of the State. For a number of years he has rusticated among the hills of New England, but decided on a change this year for variety.

het desided on a change this year for variety. The wholesse mentral houses report an exceptionally good trade during the past few weeks, for this time of the year. Just why this is so they can hardly explain. One dealer, H. B. Peters, stated that July was the best month his firm had this year for their Star bernal specialities. While all the dealers did not report trade quite so heavy, all expressed satisfaction with the month's showing.

Wolf Green, of the firm of Green Bron, took s well-earned vacation has month, spending a fortigish at Allamic Gly, the well-known Jersey cast resort, which has of late years become quite popular with New Yorkers. He returned well bronned by old Sol and reported having a pleasant sojourn.

A. Marschutz, the veteran optical traveler,

A. Marschutt, the veteran optical traveler, spent last month in this city and in short excertions to neighboring pleasure resorts. The "Judge" represents the Spenerr Optical Co. in the Middle Western States and reported his spring business shead of last year's. After hying in a fresh line, with a number of new novelties added, he started out again a few days ago for the fall campaign. During his stay here it was noticed that his two weaknesses, tower of a good story and pride of his distinguished nephew, Charles F. Prentice, are as manifest as even.

* The well-known jewelty house of Benedict Brox, y1 Broadway, has been incorporated under the laws of this State. The directors are: Read Benedict, Charles P. Benedict and James V. Burkman, West New Beighton; Edwin P. Benedict, Montclair, N. J., and Frederic P. Benedict, Jersey Gily. Of the directors, Read Benedict has been the head of the firm; Chaz. P. Benedict a bis son and James V. Burkman is his son-in-law; Edwin P. Benedict and Frederic P. Benedict are brothers of Read Benedict and were members of the old firm. This house is one of the oldest retail watch and jewelry establishmenta in the United States. It was founded by Samuel W. Benedict, who started in a modest way on the control of Maiden Lane and Broadway in 1819, removing two years afterwards to Wall Street, control William, where of Maiden Lane and Broadway in 1819, removing two years afterwards to Wall Street, nearer Broadway, where he continued the business, retiring in 1860, leaving list business to his sons. During the Civil War, in 1850, the sons removed from Wall Street to their present location in the Benedict Bullding, corner of Breadway and Cortlandt Street.

The official reports show that the imports of precious stones during the fixed year ending June gob hast were: Cut stones, \$10,979,9724; ment, \$4,057.037,63; total, \$4,058,105,73, \$4 decrease of \$5,051,693,793, compared with hast year. This decrease is attributed to the disturbance in the diamond market consequent upon the \$500th African war and the rise in price. There has been a searchity of rough diamonds, but a marked increases in imports latence in imports alternative.

(Continued on page 775.)

Dealers who wish to carry a line of American Cut Glass of the highest standard will be best suited by buying the STRAUS Cut Glass. It gives satisfaction to the most fastidious customer.





Here are a few Reasons why:

Absolutely perfect.

Excellent color, Clear crystal and Brilliant finish.

Exquisite workmanship.

Every piece a leader.

Ouick seller and Good profit-producer.

Originality in designs of shapes and cuttings. It has many imitators but no equals.

No fancy prices.

We have just introduced nine entirely new cuttings and a large number of new and original shapes.





L. STRAUS & SONS, Manufacturers

42, 44, 46 Warren St., New York

Factory, soth Street and North River, New York

Crepe Paper for Window Decoration.



SUBSCRIBER who informs us that in his small town he is often unable to procure the manufactured "crepe" paper now so extensively used for decorative purposes, asks us as to a possible and easily pro-

curable substitute for the genuine article. reply we would say that if our correspondent has sufficient leisure and definess of hand he can make for his own use a fairly good imitation of the crepe paper of commerce. A sheet of any good, firm tissue paper can be transformed into "crepe" by folding in small plaits across the sheet and then gently rolling between the hands. To be more definite, fold a sheet of tissue

paper into folds about 14" to each fold, as shown at Fig. 1. There is no necessity Fig. 1 of observing great care in the folds being even, as this does

not materially affect the crepe effect. The sheet is then gathered into a bundle so the plaits run lengthwise of the bundle as shown in Fig. 2, where



A represents the tissue paper bundle. The "long wad" of tissue paper is rolled between the hands for some time when

innumerable tiny folds will be established giving that crepy look which adds so much to the appear ance of the paper for decorative purposes.

For plain effects pure white is very desirable; but any color of tissue paper can be "creped" in the manner described. Those who crepe their own paper have scores of advantages over those who buy the ready-made article, especially in flower decorations, as they can stain their paper before creping it in a thousand fanciful ways. For instance, in imitation of balsam and petunia blossoms, paper can be "blotched" by sprinkling with a solution of No. 40 carmine instrongammonia, and afterward diluted with water, from intense red to pale pink. This is done before creping. Greens for leaves can be variegated by means

of diamond dies, from grass-green to a blotched brown edge so much like nature's handiwork. Such color is best applied with a broad, flat brush like that employed with letter-copying presses. The colors can be splashed on the paper in almost any careless fashion, and a combination of green, brown, yellow and autumn-red and gorgeous leaves stamped from the sheet as will be explained later on. Striped petals for a great variety of flowers can be made by quicky decided strokes of a small pencil brush of red or brown sable, well filled with pink madder color mixed with water to the proper

Cutting out of petals and leaves can be much expedited by means of punches very simply formed by taking a



annealing it, and filing one edge sharp. Such pieces of the spring are bent to the forms shown at shown at a a, Fig. 6, can be utilized for many Figs. 3, 4 and 5 for cutting out the crepe tissue to

To fit up the cutters so they can be used to advantage, lay the sharp edge down on a piece of very soft pine board, and placing a flat plate of metal on the bent spring drive it down into the wood as shown at Fig. 7, where a a represents the

bent spring, L L the pine board; a' a'
Fig. the portion of the bent up spring driven into the wood, and D the heavy metal plate laid on the spring on which we pound to force the bent spring into the wood. The top of D is struck with a hammer or mallet. The cut shown at Fig. 6 is a

plan of the board and bent spring and accessories; and Fig. 7 a vertical section on the line b b of Fig. 6; in this cut the dotted lines at a' a' show approximately how far the spring

is driven into the wood. After the spring is se- a cure, temporary pieces of board are placed about the spring a a, as shown at B, and

melted soft solder or old type metal is poured in (after removing D) to fill the space F, Fig. 7, up to the line f. As soon as the metal cools it is removed 1 Paris to 12 from F with the edge of

the bent spring a protruding. To use this device for cutting out petals, etc., the soft solder or type metal back is laid on a flat, heavy plate of iron, the paper to be cut out is spread over the sharp edges of the bent spring and a block of soft wood, presenting the end of the grain, placed on the paper, when the block is struck with a mallet. The plan will be under-

stood by inspecting Fig. 9, where G represents the iron plate; Fa E the spring cutting-out device, e the paper and H the block of soft wood. Fig. 8 shows the cut-out

paper bent up to the cup shape of a flower, d d showing the petals seen edgewise.

The form of petals cut out by the cutter flowers; but one particularly beautiful and striking effect is to fashion a camelia with the petals cut from pith (some call it rice) paper, and place in the center a fairy incandescent electric

lamp of about two candle-power. Such lamps, white and colored, and the batteries to run them, can be had & # at little cost in any electrical supply

Not only tissue paper can be cut out in this way, but heavy glazed paper, a dozen thicknesses at a time. For producing a dead white appearance on white flowers a thin coating of white of an egg is applied with a brush and rice flour dusted on. Such rice flour can also be colored by analine colors dissolved in alcohol; dried and then dusted on the same as for white. A frosted, glittering look can be produced by "spraying" the flowers with an atomizer and dusting on "frosting," which is made by blowing up the purest white glass into bubbles like soap bubles and breaking them up into minute fragments. The material placed in

the atomizer is white of egg diluted with twice

the bulk of water. Flowers like the camelia we suggested, with the petals cut out by the die shown at Fig. 6 are "built up" by placing several thicknesses superimposed, but arranged to come alternating as shown at the dotted line g, Fig. 6, form a perfect double flower. For stems, white cotton-covered magnet wire (stained to suit) is the best. The wire is of soft copper and stays bent in any position; and the cotton coating enables us to attach leaves with book-binders' glue (equal parts of dissolved glue and flour paste) in every conceivable way.

A Unique Window Display.

A window display of rare attractiveness is shown below. It is the show window of the Alsted Kasten Co., Milwaukee, Wis., and the exhibit therein is the magnificent banquet silver service presented by the State of Wisconsin to the battleship of that name. It consists of thirty-five pieces, comprising a large punch bowl, a small punch bowl, two large trays, two ladles, twenty-four punch cups, a centwo comporties and two candelabra.









38 Murray St., NEW YORK

BUYERS OF CUT GLASS: We desire to call your attention to the fact that intelligence in regard to

AMERICAN CUT GLASS

is based upon a knowledge of what is NEW and DESIRABLE.

Dealers often ask themselves the question, "Where can I get a line of Cut Glass that is up to date in the matter of NEW SHAPES, ARTISTIC DE-SIGNS, BRILLIANCY of FINISH, and withal to be MODERATE IN



We answer: We have a forty-page treatise of the Cut Glass subject in the form of a NEW CATALOGUE which will give this information. It is an iilustrated talk, and every article shown has its quota of inter-



The number of NEW SHAPES and DESIGNS in

BERGEN CUT GLASS

ELECTROS FURNISHED FREE

THE J. D. BERGEN CO., 38 Murray St., NEW YORK

New York Letter.

(Continued from page 771)

The Merchants' Association have mailed to all mer chants in the State of Texas a circular announcing that the Southern Pacific Co., has made a reduced rate of a fare and one-third from all points on its lines in Texas through to New York, for the benefit of merchants desiring to visit the New York market to purchase their goods. The Southern Co. operates a line from El Paso through the entire State of Texas, together with numerous branches reaching to other parts of the State. Merchants desiring to visit New York City for the pur

pose of purchasing their goods in this market, can avail themselves of a reduced rate to Old Point Comfort, Va., via the Seaboard Air Line and all of its connections. The Seaboard Air Line, since the first of July, controls and operates, in addition to the parent line, the Georgia & Alabama and the Florida Central Peninsula R. R. com panies. This enables them to make a direct through reduced rate to Old Point Comfort from all points on the lines of these roads, as well as on the lines of the original Seaboard Air Line system. This rate is about equal to one fare and one-third for the round trip. Tickets are on sale daily at all points on the enlarged Sesboard Air Line sys-tem up to September 1st. They are good to return until Oc.ober 31st. In connection with this, the Old Dominson Steamship Co., whose boats ply daily between Old Point Comfort, Norfolk and Portsmouth, Va., and New York, both ways, has on sale a special ticket for the round trip costing \$12.00, including meals and stateroom, good to holders of Scaboard Air Line tickets on presentation of the return coupon issued by the latter company. These Old Dominion tickets are limited in accordance with return limit on tickets from the interior. Full particulars of all these special excursions can be secured by addressing the Merchants' Association, of this city.

Charles Jacques, manager of the clock department of

Bawe & Dotter, sailed for Europe last month. He will be absent about two months, during which time he will visit the leading clock factories abroad and purchase the latest productions for the coming season.

A Kaffir clergyman who visited this city last month said that before his departure the three brothers of Green Bros., material jobbers of this city, were safe at Buffelsdoorn, in the Transvaal. They were engaged in storekeeping and mining, as before the war, but had been cleaned out of all their stock and other goods by the Boers. Naturally, the cothers here felt much relieved to learn that they were safe and at home, after the uncertainty of the past six months as to their whereabouts and condition.

Wm. Elias, manager of the tool and material depart ment of the Cross & Beguelin Co., returned from Europe last month. The trip occupied six weeks and the interesting points of Belgium, Germany, Switzerland and Paris were visited. Two days were well spent viewing the Passion Play. It is necessary for visitors to spend at least two days in the village. Mr. Elias was fortunately assigned to the residence of the director of the play, whose two daughters also take part. Mr. Elias relates that the girls would set aside their costumes and in their usual peasants' dress would assist in their regular household duties between the morning and afternoon sessions of the play. The con-versation in the home about the side lights and by-plays of versation in the home about the size ligits and opposits or the great play naturally greatly interested the visitors. Speaking of the Paris Exposition, Mr. Elias thinks it a great show and fully up to expectation, especially from the artistic point of view. The electrical display was, he thought, far ahead of the Chicago Fair and the finest that thought, far ahead of the Cateago Fair and the sace on-has yet been shown, as was to be expected, as great ad-vances have been made in things electrical during the past few years. In comparing the United States Building with of other nations, Mr. Eliza said it impressed him as being too small and not at all imposing. impression in Paris, he said, that some one had fattened his pocketbook out of its construction, as it showed up poorly when its cost was considered. Speaking German and a little French, Mr. Elias experienced no trouble in the matter of language, and, taken altogether, is much pleased with the recollection of the trip as a whole.

Among the out-of-town visitors last month was Miss Effic Bradford, stenographer of the Howard Sterling Co., Providence, R. L. The fair visitor spent a week or more visiting friends and taking in the innumerable attractions of the city and nearby resorts. Tall and stately, with a wealth of colden hair, Miss Bradford made a striking appearance

Acting on the advice of his friend, John Taylor, of Krementz Co., E. Dingee, Jr., of the Gorham Manufactur-ing Co., has located his family at Summit, N. J., for the summer, going out and in daily himself, excepting during his vacation time. It is reported that these two old cours of the Eastern circuit, Philadelphia, Baltimore, Washington, etc., are having great tu-sels in the evenings and Saturday half-holidays over that mighty game, croquet. At present it seems there is but little danger of Mr. Taylor losing the championship he has held for sev-

Bawo & Dotter have been making improvements in their clock and stationery department. After a thorough going over by the decorators, new fittings were added and some changes in the arrangement of the goods, that adds greatly to both the appearance of the department and the facility of examining and selecting goods.

Hugo P. Keller, the enterprising and suc-cessful head of the wellknown material house of L. H. Keller & Co. was married on Tune 21 to Miss Annette Marie Rogers, an accomplished and popular young lady of this city. The mar riage was a quiet one only the friends of the happy couple being preent at the ceres Immediately after the event Mr. and Mrs. Keller left for a brief



sojourn in Lenox and the other beautiful resorts in the Berkshire Hills. Since their return to the city congrat-ulations have been showered on them. Mr. Keller, who is a young man, is one of the most popular members of the wholesale trade. THE KEYSTONE joins its readers in extending congratulations.

The traveling corps of C. G. Alford & Co. recently

started out on their first fall tour of their respective terri-tories. John W. Steele, the veteran and dean of jewelry traveling salesmen, with a continuous service of close to fifty years on the road, was the first out, as becomes his station. The veteran gets restless at headquarters and generally gets off a week or so before there is really any need for starting. He looks for good business in his far South territory this fall and was anxious to get out and test the situation. As usual, he will cover South Carolina, Georgia, Alabama, Mississippi, Louisiana, Tennessee and Texas. His son, J. W., Jr., known as "a chip of the old block," assists his father in covering some of his States, besides looking after Virginia, North Carolina and Kentucky. Oliver S. Clark will visit his friends in New England and New York; D. W. Cook, the Middle States; H. C. McConnell, another veteran, the West and North west. The only new face in the group is Henry Colyer, who takes his brother Whitson's place in the Eastern States,

the latter meanwhile doing duty at headquarters as salesman, Contrary to their usual custom of closing down during part of July, Larter, Elecy & Co. are now running all their hands in their factory at Newark, N J. They are compelled to do this to meet the large demand they are having for their product. They expect to run from January to Innuary without a break. This is an unusual experience in the manufacturing jewelry business.

Mrs. Minnie Gattle, the mother of Emanuel M. Gattle, retail jeweler, Broadway and Twenty-seventh Street, and also of Moses and Hyman Gattle, of Gattle, Ettinger & Hammel, 68 Nassau Street, died July 11th. The deceased

was sixty six years of age.

In the compilation of statistics for the fiscal year ended June 30th, some interesting figures are under the head of exports of watches and parts of watches. We find that in 1895 our exports of watches and parts of, amounted to \$357.329; in 1896, to \$530.980: in 1897, to \$801,491; in 1898, to \$771,912; while in 1899, \$819,810 worth of these goods were exported. This shows very satisfactory and promising progress.

Sylvester J. Battin, Jr., of Newark, N. J., has been

ng from his home for some weeks and the police are looking for him. Battin is the son of Sylvester J. Battin, president of the Manufacturert' National Bank of Newark. He was in the employ of J. Strassburger Sons & Co., of Maiden Lane, and he is charged by that firm with embea-gling more than \$10,000 worth of diamonds, which it is believed he pawned or sold, appropriating the proceeds.

Postmaster Van Cott's plan for a branch post office building, to be used exclusively for the handling of foreign Post Office for Foreign Mail

mail, has been formally adopted by the department at Washington, and their commendations contained in the report of the investigating commission will be at once put into effect. The commission visited the city a few weeks ago and with Postmaster Van Cott inspected a half-dozen available build ings on the North River front. None of the buildings were considered adequate, and the commission finally accepted the postmaster's suggestion that a building be erected for the purpose in view at the corner of West and Morton Streets. The report favors this plan, and a two-story and lasement building of fire-proof construction after plans prepared by the Post Office Department architects will be erected. It will be ready for occupancy, the postmaster hopes, by the end of October. The building will be especially adapted for the rapid handling of large quan tities of mail. The building will cover 15,000 square feet of ground. It will be located in close proximity to the foreign-mail steamships' piers, and to the Christopher Street ferry, where the mail is landed from the conti-nental lines having their piers in Hoboken and Jersey The ground floor will be a single large room into which the mail wagons can be driven and unloaded without the necessity of using elevators or of blocking up the streets and sidewalks. This single big working room is one of Postmaster Van Cott's ideas which he wishes to incorporate in the plans for the new general post office he is trying so hard to secure. He believes much more work can be done in such a building than in one constructed on the lines of modern office buildings. The construction of this foreign mail post office makes it possible to try the experiment on a small scale. All the foreign small will be handled in the new building. The change will remove about 300 clerks from the general post office to the new branch. At present the men work in three turns of from 75 to 100 men each, a majority of them in the hot, ill-ventilated basemen Their removal to the new quarters will greatly relieve the congestion at the general post effice and make available additional floor space for the use of the city department. The city delivery service, as well as the foreign mail service, will therefore be greatly benefited by the change.

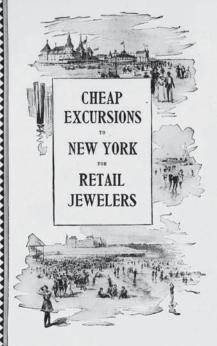
M. J. Averbeck recently gave a pleasant outing to his salesmen and heads of departments. The party hied them to Manhattan Beach, and the pleasures of the day concluded with a dinner at the Manhattan Beach Hotel.

A meeting of the general salesmen of houses selling goods in the South and Southwest, held in the rooms of the Merchants' Association, indorsed the association's efforts to open that territory to New York trade. Those present pledged themselves to try to induce buyers of goods from those sections to place their freight in the hands of the association for home-routing, that the association might forward it by the lines which have seconded the efforts to bring buyers to New York.

Among the more or less regular visitors to this city is A. G. Moses, secretary and treasurer of the Trenton Watch Company. For the last few months Mr. Moses has not been seen quite so frequently on the Lane. On being asked for an explanation, as he was seen recently en route for the New York office of his company, he explained that he was kept so busy with affairs at the main office and factory at Trenton, that he did not find time to visit us as regularly as formerly. He reports an unusually good demand for watches at the present, as brisk, in fact, as usually experienced much later in the year, when the fall trade is in full force. Their factory, he stated, has been working on full time and every beach occupied for mouths past, and the cutlook is for the best watch business this year that the companies have ever had. All of which is very gratifying for such a good trade in such a staple as watches, sho have its effect on other lines handled by the jeweler, and generally give tone to the whole trade. Besides his interest in the watch company, Mr. Moses is also an officer of one of the leading lamp and pottery concerns located in Tree He admirable fulfills the axiom that it is the busy man who can do the most work.

I., II. Cohen, importer of art metal goods, 14 East Seventeenth Street, was recently appointed assistant judge on the jury of awards for art metal goods at the Paris

At the last monthly meeting of the directors of the Jewelers' Association and Board of Trade the following from were ununimously elected members of the association S. Buchshaum & Co., Chicego, Ill.; A. G. Schwab & Bro. Cincinnati, Ohio; and I. & B. C. Silver and L. E. Water



Buying Stock in **New York City**

MEANS best selections at lowest prices, money saved and experience gained, business education and healthful recreation.

New York is the largest and most cosmopolitan city in the United States, and is the greatest jewelry market in the world. It has the grandest city sights - most beautiful suburban scenes and gavest and most healthful summer resorts. The New York Merchants guarantee to all visitors pleasure, comfort and enjoyable companionship.

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Good Roads for Bad

By Theodore Dhrisse, in Prayson's Magazine



HE fact that America has been notorious for its lack of great highways, and the vast network of its crude and periodically highways, and the vast network of its crude and periodically impassable roads, has been always excused on the ground that it was a new country and that such improvement could only be expected to come with time. A nation, bowever, which has in other respects accomplished in years what the older nations have required centuries to perform, cannot hide its iniquities even under so good a cloak. Streams and rivers have been brought to our arid deserts, forests planted, and more railroads, telegraph and telephone lines built than in all the rest of the world com

bined, yet we have trusted largely to Providence for our roads. This is the more amazing since nothing so directly affects the pockets and the social life of the people, retards or hastens the development of the country's resources, or can be made so ready a source of its prosperity, as good roads. Producers every year, in every portion of the country, are unable to take advantage of the best market prices and are frequently unable to dispose of their produce at all, because the few mile that intervene between them and the buyer are traversed only by a long stretch of quagmire or sand.

This situation has in the past, and does to-day, constitute the good-road question It is the subject of a vast agitation, begun first by wheelmen, taken up by the Govern-

ment, and now a matter of legislative consideration the country over. As a result ten

States have exhibits at the present universal exposition in Paris, illustrating how perfect States have exhibits at the present universal exposition in Taris, illustrating now periest roads ought to be built. This from a country that still has, in part, the worst roads in the world is rather daring, but it is also an indication of what is being done. The ten States in question know what they are talking about. They had the worst roads, and now they have (or at least are constructing) the best. The first among these is Massa-

It will be a matter of news to many to learn that the United States Government has

gone into the road question in the most energetic and thorough manner imaginable, and

mation and teach the people. It has experiment stations in every State in the Union, where lessons in road-making are taught. Hundreds of pamphlets showing just how a good road is constructed and how it may be preserved have been published by the

a good road is constructed and now it may be reserved not even parameter of the Government, and may be had for the asking. Object lessons in road-building are given annually in every State in the Union, when, in some worst section, a quarter, or half, or even a mile of excellent roadway is constructed, a 'd the people shown how and why

it ought to be done. These object lessons, begun in 1894, have done more than anything else to start the great movement which is now furthering the construction of

perfect roads the land over.

The Government, in these exhibitions, ordinarily constructs three specimen roads.—

a modern macadam, a sand and an ordinary dirt road. Each of these roads is made

up of different stretches, each stretch of a different grade. The macadam roads are

covered to a width of twelve feet with the best quality of stone to be secured at a practicable distance from the locality. The pavement is laid six inches thick, being

made of four inches of stone, so broken that the greatest length of any stone is two inches; over this is placed a two-inch layer of smaller stones. The sub-grade or

foundation for this stone is made by properly preparing the natural soil of the country. The sand road is made by putting six inches of river sand on a bed of natural clay.

Neither the bed nor the surface of this road is rolled. It is the aim to make it similar

to the ordinary country sand road. The dirt road is made by grading in the usual manner. It is then thoroughly drenched, and a narrow-tired wagon, heavily loaded,

ving, through the Department of Agriculture, studied out the question of what constitutes a good road, and why good roads are needed, has gone to work to spread the infor-

chusetts. The second, New Jersey.



is drawn over it until deep ruts are made, and the surface rendered similar to that of most of our roads during a large part of the year.

When these roads are completed, a heavy farm wagon, loaded with produce, is drawn over each of them, and the amount of force required to haul it is determined by the use of a trackometer. This instrument is so constructed as to accurately register every pound the horses pull at every stage of the haul, in plain view of those in its vicinity.

It is made clear by these experiments that a lect, under the best conditions, to a continuous jerking motion, which must, on even the smoothest country road, greatly increase its fatigue. On a dirt road in bad condition this jerking becomes a succession of heavy blows, transmitted to the team by means of the collar. They are cruelly painful, bruising the shoulders, harassing and torturing the animals, continually lessening their value, as well as directly decreasing the amount of the load that it is possible to haul.

During one of these experime of small mules readily drew twelve bales of cotton on a heavy Studebaker wagon up a ten per cent, grade of the macadam road, the ackometer indicating a pull of 1000 pounds The same team was stalled completely in going down a six per cent. grade of the sand road after pulling the indicator to 1900 pounds. Nine bales of cotton were removed before the load could be again put in motion. The driver refused to venture at all upon the dirt road with the twelve-bale load.

In addition to this lesson, there are many others regularly administered. Thus the Gov ernment has had photographs taken showing the exact process of proper road-building, which it exhibits at fairs, expositions and

meetings of all kinds where good roads can be properly talked about. Indeed, the Agricultural Department is a great believer in photographs, and no opportunity is lost to flash a convincing picture before the eyes of the unbeliever. The picture of a road before and after it has been improved is one of the most common kind. That of a horse unable

to pull even a light load on a bad road, yet drawing a heavy one on a good road,

is also common.

Another part of this Gov of advocating the building of steelwhich is an entirely new scheme, but which has proved a idea. Briefly, it is a system of laying wide steel rails upor ordinary highways. The road thus laid consists of two par-allel lines of steel inches wide, laid at a sufficient distan (Continued on page 279)





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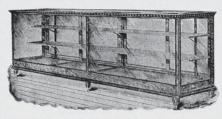
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Good Roads for Bad.

AUGUST, 1900

(Continued from page 777.)

vehicles of standard gauge. These plates, or tracks, have a slightly upward projecting flange on the inner edge, so as prevent the wheels of ordinary vehicles from easily leaving the track. At the same time, the flanges, being only one-half inch high, are not of a rise sufficient to prevent wehicles from leaving the track for the purpose of passing other vehicles whenever the driver so desires. These steel tracks are not supported by wooden cross-ties or longitu dinal stringers of any kind, but are made solid in the road by flanges projecting both downward and outward, which are imbedded in the concrete of the roadbed.

Sample roads of this kind have been built by the Gov ernment at Pittsburg; New Lenox, Ill.; Cleveland; Omaha: St. Anthony's Park. Minn.: Ames. Iowa. and other places. The road at Omaha was a part of the Trans-Mississippi Exposition, and was designed as a test of cost, value and utility, as well as an object lesson to the greatest number of people. The road there was eight undred feet long, and was the scene of a number of interesting daily experiments. One of these consisted of having a heavy load of eleven tons drawn by twenty horses over a common road, which lay alongside the steel-track road, and then having the same load drawn by one horse on the steel-track road. This load was twenty-two times the weight of the animal, and was easily moved with light harness. The load could have been (and was, in one instance, at Ames, Iowa) increased up to fifty times the weight of the animal, and still be started and moved

Another experiment constantly made b fore the sightseeing crowd was that of a horseless carriage running up and down this track. It was proved that it moved with such ease along this roadbed that it required only a small fraction of the power ordinarily used for working such vehicles. A bicycle was also employed there by the Government to demonstrate what a fine thing such a road would be for wheelmen, and how it would have an important bearing on rural mail delivery. The cost of construction was proved to be only \$3500 per mile in the case of poor roads; \$1500 where a very fair road was already open.

A third branch of the Government's work lies in advocating wide tires. Never was a cause more ardently advocated than this. Hundreds of pamphlets have been issued by the Agricultural Department and distributed all er the country, making clear to the farmers what a fine thing wide tires are on bad roads. The use of the wide tire in Europe has been proved again and again in a thousand ways, and still the Government is not weary of well. ing. It has been shown by experiments in every part of the country that a double team can draw upon an ordinary wagon with three-inch tires just twice as heavy a load as upon a wagon with the usual narrow tires. It has been equally proved that wide tires keep earth roads in order, by constantly rolling them, as it were.

In 1892 the Government instigated a national good roads meeting, which was held in Chicago, and the National League for Good Roads organized. This meeting, which was in itself the result of an awakening interest in certain ocalities, gave a great impetus to the movement and spread the interest to every State. At that time Massachusetts was far in advance of the rest of the country, and while this State has maintained its supremacy, building more miles of better roads every year than any other State, the knowledge it possessed and the practical results it had accomplished were made common property by this gathering. Many other States had also been experimenting and progressing, and it was found by an exchange of experiences, methods and results, that the efforts of one State could be made to serve all the others. Every mile of good road built serves as an object lesson, and creates a demand for more. There have now been enough of these object lessons stretched over the country to assure a permanent and rapid progress.

Every State has had its own peculiar problems to solve and difficulties to overcome in its progress toward good roads. In the first place, it has been necessary to awaken an interest among the people, to convince them that good roads would pay. It has then been necessary to devise laws by which a successful system of building can be operated, and, finally, nearly every State has suffered from a waste of its money caused by a failure to learn from the experience of others, by lack of organization, by corruption and carelessness. It is true that good soil and material are not so available in some locations as in others, but it has been

proper efforts are made.

Of all the States, Massachusetts has created a more

universal interest among the people, formulated the simplest and best laws, established the best working method, and secured the largest and most lasting results for the money

The poll tax was long since abolished. All money expended upon the highways in any shape is raised by tax levied upon the property throughout the State. Massa-chusetts was the first State of the Union to construct and maintain State highways paid for in this way. A bill was passed which provided for the establishment of a permanent highway commission, and an appropriation of \$300,-000 was made for the construction of State highways.

There are in Massachusetts, outside of the cities, 20,-700 miles of roads. These roads running throughout the te, through the different cities and towns, are thoroughfares. They are not confined to any one locality. There are roads running through towns perhaps too poor to maintain them, and which the people of the towns adjoining

These roads, including all grading, cost anywhere from \$5000 to \$20,000 a mile, on a basis of 15 foot macadam. There are no roads less than 15 feet wide, and some as wide as 27 or 28 feet. These \$20,000 roads are through the mountains and are all Telford work. The average cost of model road-building is somewhere from \$6000 to \$7000 a mile.

The Clerk who Makes Friends.

The young man who is making his way through the world, depending upon his energy, industry and intelli-gence to lift him higher, must not neglect to cultivate the study of mankind. No matter how efficient he may be in other qualities, if he is not a judge of men he is doomed

A man must possess the faculty of winning the confidence of other men and of making them his friends if he would be successful in any walk in life. This faculty, or in every one they meet, are given a hearing when more worthy men are turned away, and succeed along their chosen lines when men of immensely greater ability plod

If we say they possess tact we only half express it Tact is saying and doing the right thing at the right time to the right person. Tact prevents blunders that would make enemies, but does not necessarily make friends. Tact is the form, but the feeling lies deeper down. To make friends, tact must be present, but the heart only can tie the knot of friendship.

The strength of youth is its unlimited hopefulness. Success is just around the corner; in a few years, at most, she will be overtaken; then come case and luxury! The. great majority of those in the race never catch a glimpse of her robes, and the ones who lag farthest in the rear are those whose manners were so unsympathetic or forbid-ding that the men who could and would have helped them refrained, perhaps at the critical moment, from saying the word or doing the thing that would have advanced them.

I am at this moment interested in a man who is out of work and who is struggling bravely to find a position. When he is not near me I study how I can help him, and canvass friends who may need a man and who would give my recommendation some weight. But when he comes to see me be has not talked five minutes before I begin to think that I wouldn't want him near me all the time; and, feeling so, I wonder if it is right that I should commend him to others. He has no tact. He does not permit me to get half way through a sentence before he interrupts me to agree with me, while he proceeds to finish my sentence in an entirely different way from what I had intended. conclude that it is not worth while to go back and finish n the way I started out to do, so let it go as he left it, but I do not volunteer any further remarks. When he goes away I still wish as much as ever that he was at work, but I am hoping that he will find a place without my having to make a special recommendation.

Every young man, with the competition of life around him, should probe deep down into his own soul and learn for himself just what is the measure of his capacity to win

found that all such problems can be solved where the the good will of other men. He should be absolutely with himself, listening to no flattering tale, bu facing the truth fearlessly.

THE VITAL NATURE OF PRIENDSHIP.

I recall another young man who was visiting in a city for a few days and was taken by his host to call upon the head of a wholesale house that he might see how business was done in that busy place. The young man and the merchant talked together for an hour, and the latter drew from the youth the story of his life thus far and his aspirations for the future. That evening the merchant called upon the host, and as he took his leave particularly requested the young man to call upon him in the morning.

"Some remarks you made yesterday kept repeating themselves to me after you went away. I think you are possessed of the spirit that succeeds. I want a man in my office; if you wish to take hold you may."

The offer was promptly accepted and neither man

As any man studies his relations with other men, and analyzes the position in which he holds those whom he meets in either a social or business way, he must confess that he divides these into two classes: those who attract and those who repel him. There is a small percentage to whom he is indifferent, but the great majority are in the two classes I have named.

A man who intends to succeed must have friends. These are not to be bought or borrowed ready made; they must be evolved out of the men and women whom he meets both in social life and in business. How shall be do this? I know of no better rule than, that given in Proverbs : "A man that hath friends must show himself friendly." If this was given as the rule by which a man shall keep his friends, much more is it the law to be adopted by which one shall create friends for himself,

The result of the efforts to make friends is no less in portant to the clerk in the smallest grocery store than to the salesman in the largest wholesale concern. Both rise or fall by their power to please their employers and customers.

WHAT STARTS THE SALESMAN IN TRADE.

When I miss my favorite clesk at the grocery I am quite prepared to hear that he has started in business for himself. All who dealt with him liked him; many have promised that if he started for himself they would give him their trade, and have followed him. His capital in friendship is far more valuable to him than his dollars,

The salesman who has been calling upon me for years, and who has won my regard, now tells me he is traveling for himself, having started in business with a partner, and he is certain of my trade to as great an extent as I can give it to him,

There is a class of people who make friends easily, but who do not held them. If they are traveling salesmen their first trip is usually a good one, but each succeeding trip grows poorer till they are dropped. It does not seem to be because they are insincere, but because they do not

wear well. All that there is in them is on the surface.

There are others who are much too friendly in appear. ance upon short acquaintance. They ask about trade with such gravity of tone as if they had come these hundreds of miles to get the answer to that one question. You feel that they are acting a part, and you are not complimented that they should think that you are deceived by it.

By far the larger portion of mankind can think only themselves; the I_* with them, is so extremely large that they spend most of their thought and time in to impress the world with a proper sense of their fancied importance. A person belonging to this class can never forget himself long enough to take an interest in his auditor. He not only lacks tact, but he is wanting in common shrewdness.

The interest that makes friends must be both kindly and honest. The clerk and salesman must forget himself; must think only of the one purpose, to make the person his friend. This is not accomplished by fawning upon men, nor by echoing their opinions, but by an intelligent acquaintance with human nature that pushes one's self into the background and sees and brings out the best in others. He must follow out the injunction laid down for keeping friends and "show himself friendly."

-William H. Maher, in Saturday Enewing Plut



Dynamos. XI.

Field Magnet Winding



FTER the wooden form shown at Fig. 43 of our last preceding article is adjusted to the proper size, it should be covered with sparafined paper, the same as grocers use for wrapping rolls

of butter in, in order that we may apply shellac varnish to each layer of wire as it is wound on the form. After the proper amount of wire is on the form, it is removed from the lathe and placed in an oven heated to about 150° F. It is not well at first to raise the temperature of the oven up as high as the boiling point of alcohol, as such course would cause the shellac varnish to bubble and exude from the winding. After the alcohol has all evaporated the helix and winder should be heated up to about 250° F. to fuse the shellac and firmly unite all the coils of wire.

The stability of the helix we are building can be greatly enhanced by placing a layer of thin cloth between each course of wire as we wind it on the wooden form shown at Fig. 43. To aid

description we reproduce at Fig. 46 a por-Fig. 46 a portion of Fig. 43 cut out to the dotted line &.

To repeat a little of our instructions we first cover the channel formed by the end pieces C C' with parafined paper to prevent the shellar used from cementing the helix fast to wood, and to carry out the extra secure winding referred to at the commencement of this paragraph, we provide a strip of thin, but strong, muslin (cheese cloth will answer) and cut strips of such cloth of a width double the space between the pieces C C'.

If the reader will refer to Practical Fig. 33 he will see that the combined length of waist of our field magnets is 5", and consequently the half of such length would be 23/2", as the space between the ends C C'. Of course, we allow a little freedom in order that the iron forming the two halves of the waist will not be helix-bound, but come firmly together. Hence we cut our strips of cloth s". and at each edge cut in slashes 1 1/4" in length as shown at Fig. 47, where D represents the cloth



and z the slashes. The plan of the winding is: The wood form is first covered with parafined paper to prevent the shellac from attaching the

helix to it. To aid in our explanation we refer to Fig. 48, which is a view of Fig. 43 seen in the direction of the arrow L. In F preparing such wood spool winding on the insulated

CC' with parafined paper, as before directed. from some source outside of the dynamo send

To aid in applying such paper an adhesive material composed of beeswax and Canada balsam can be used. The exact component parts will depend on the temperature of the weather and state of fluidity of the balsam. The idea of the composition is to temporarily hold the parafine paper until the helix is wound.

We next cut a piece of the cloth shown at Fig. 47 to such length as will just go around the waist B, Fig. 48, and the ends come together on the line w. These edges are sewed together with ball-cover stitch. The narrow pieces of cloth formed by the slits s will now protrude radially, and to get them out of the way for winding the helix it is well to attach these loose ends to the pieces C C' with the mixture of Canada balsam and beeswax, which should hold well, but yet allow the ends to be pulled loose without tearing the cloth. The cloth between the ends C C' is gone over with shellac varnish of about the conistency of thin molasses, and while yet soft the wire is wound on, making the coils lie as close as possible. Such winding is best done in a screwcutting lathe, setting the feed to coincide with the thickness of the wire.

For holding the inner end of the wire it can be passed through a hole in the end piece C, as shown at F, Fig. 48. If additional security for the end of the wire is desired it can be wrapped around the screw head shown at s, Fig. 48. After one layer of wire is wound on the waist Bthe free end (that is, the one extending to the spool on which the entire wire for the helix is wound), is temporarily attached to the spool head C', and the radiating free ends of the cloth temnorarily cemented out of the way, are folded back over on the coils and secured in place by some of the shellac varnish. By cutting the cloth D as shown at the dotted lines I, the ends will lap past alternately. A little practice in making and using this balsam paste will enable the workman to accomplish a great many desirable results.

A second coat of shellac var-Building Up the nish is applied to the folded-Movable Helix over ends of the cloth and enough applied to saturate the

cloth and cotton insulation of the wire. It is well to let the varnish dry for an hour or two and then apply another layer of cloth and shellac as before, on which is wound a second course of wire as before, repeating the operations until the requisite number of layers of wire are in place, and then the ends of the thin cloth are folded down as before, and the outside wound with a layer of harnessmakers' twist. After the final baking the wedge v, Fig. 43. is removed; after which the parts B B' and C C' separate and come out of the helix, and the loose parafine paper is nicked off. A helix made in this way is nearly as solid as a block of wood. One of these belices is placed on each of the waists A', Fig. 33-

When what is called compound winding is desired, we can make the helices for our magnets a little shorter, say 2", which will leave a space of an inch between the two; in this space is placed a third helix wound with coarse wire through which the entire current generated by the dynamo passes. The theory of compound winding would require too long a consideration for this series of articles, but we will give our readers such data as will enable them to work out the length of as is shown at Fig. 48 for wire to produce the compounding desired.

It is a common practice in this day to place wire, we first cover the on the waist or waists of dynamos, in the progress wood waist B and then the inner faces of the ends of construction, a temporary helix, or helices, and

through such helix or helices a sufficient number of amperes to excite the field to cause the armature at a given speed to yield a current of the desired voltage, say 55 or 110 volts. This policy gives us the key to the quantity of current required to excite the magnetic field of our dynamo. Suppose we found that we had to send through the temporary helix of 1000 coils a current of 1.2 amperes to get sufficient magnetic intensity to cause our armature to give say 55 volts. We wind our field with such length of wire as to permit 1.2 amperes to pass through it at 55 volts pressure.

(TO BE CONTINUED)

"The Keystone is too near perfect for me to offer any new suggestions," -11. L. Prichard, jeweler, Ferris, Texas.

Passing of the Dark Room in Photography.

Professor F. E. Nipher has recently made an interesting study of the development of photographic plates, the results of which seem to indicate the passing of the dark room in the near future, says the Electrical World.

Any plate on which an impresson has been made in the camera may be developed into either a positive or into a negative, the former in a light room, the latter in a dark room. The experiments of Professor Nipher appear to show that what are usually called overexposed plates yield the best positives, and short exposures the best negatives.

A plate which will take a sunlit street scene in a second or less may be exposed for four hours if desired, or for one ninute, and may be developed in the light of an incandescent lamp five inches or six inches to two feet or three feet distant with suberb results. If the picture fogs, it needs more light. The same is true with Roentgen ray

A positive and negative picture necessarily implies a zero picture, and Professor Nipher is now endeavoring to fix the illumination of a plate in the developer, in order that a zero plate may result for various exposures. This is what the photographers call a fogged plate. They have always supposed that if too much light in a dark room gave a fogged picture in which nothing develops, that a still lighter dark room would give more fog. The experiments of Professor Nipher, however, show that it gives less, and that the positive in the light room is just as clear and beautiful as the negative in the dark room. It follows that if a similarly satisfactory solution of the printing can be effected, so that a positive can be printed from a positive plate, the dark room will be eliminated from photography

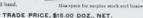
Playing False to His Client.

- "I shall have to make a lawyer out of that boy of mine. I don't see any other way out of it," declared the well-known attorney, with a laugh. "He came into my office the other day on his way home from school and laid a nickel down on the desk before me
- " What is this for, son?' I asked.
- Retainer,' he answered, soberly ". Very well,' said I, entering into the joke. 'What
- have I been retained upon?" "My boy dug down into his pocket and produced a note from his teacher and placed it before me without comment. It was to the effect that he had been cutting up,
- and advised a whipping. "Now what would you advise?' asked he in a busi nesslike voice after I had read the note and saw the trap
- that the young rascal led me into.

 "I think that our first move should be to apply for a change of venue, said I.
- Very well, he answered, you're handling the case. "Then we will turn the note over to your mother,"
- sald I. I saw the young imp's face fall at this, but he braced up and said:
- See here, pop, you're bound to see me through on
- this 'cause you've accepted my retainer, you know!'
 "'I'll argue your case before the Court,' I answered, that you will have to accept the decision. I would not dare to attempt to influence the Court.'
- "Well, I pleaded the boy's case, promptly had it thrown out of court, and the boy got what he deserved-a good
 - "It was the first time I ever played false to a client."

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We furnish the trade a 5 quire box of MONOGRAMMED Paper of the latest size, finest quality with envelopes to match, complete for \$1.75, prepaid, to any city in the United States. Als 2-quire boxes, at 75 cctlis, prepaid, for the saking, Send for a trial or are as a will include Godens for taking orders as a will include Godens for taking orders.

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Largest Plant, assuring prompt service. Best work and lowest prices.

ble side line for jewelers, especially with our set of samples so arranged ay purposes and taking orders with, that any inexperienced person will rouble whatever. Write to explanatory circulars, etc.

CHEAP FOR CASH RIGGS & BROTHER, 310 Market St., PHILADELPHIA, PA.



EAGLE PENCIL COMPANY





490 S. Bilver Magie Pencil. 88.00 dozen, net. ORDER THEM FROM YOUR JOBBER

Eagle Pencil Company, 377-379 Broadway, New York

483 S. Silver Magic Pencil. \$6.00 dozen, net.

Stationery.

Making Gold Pens.

Gold pens are now regarded as a profitable part of the staple stock of the average jeweler. It will interest the trade, therefore, to know the various processes in their manufacture as recently told by George P. Gaydoul, gold pen manufacturer, at 17 John Street, New York City:

The gold "999 fine" is received in bars, and the iridium for pointing in heavy glass ounce bottles. The latter costs about twice as much as gold. After amalgamation the gold is turned out in sheets. These are rolled thin and put under a punch, which cuts them out in pen shapes, but flat. The blanks are then put under a stamp that makes a flat space or recess at the point just where the "diamond point" of iridium or platinum is to be sweated or soldered on.

In the next process the workman lays a lot of the blanks on a plate. The specks of iridium are taken up on a small pencil brush, which is previously dipped from time to time in liquid borax, and set into the recess previously made in the point. The workman uses a jeweler's monocle, or eye-glass, to enable him to place the points.

The next man is equipped with a blow pipe and a jet of gas. He takes the tray or plate of pen blanks, and by the use of his blow pipe sweats or solders on the iridium point. This is done by melting the gold immediately contiguous to the iridium until it holds it like a setting. This is work requiring great delicacy, as a moment too long will melt the entire pen. The point is now applied to the copper lap and the point brought to a square, even face on both sides; it is then ready for the blank rolls.

With this machine the gold pen is rolled down, or by heavy pressure stretched out to its proper length and made the proper thinness. The point is not rolled, being protected by a recess in the rolls. An expert workman then takes each pen and, on a small anvil, hammers the nib of the pen to give it the proper elasticity, so that the nib can be bent double and returned without damage

The pens, being now of an uneven shape, are given the proper shape by a second cutting or die press. This operation takes off a narrow strip all around the pen except at the point, and gives the shape necessary for the final rounding. It is then ready for the stamping press. The name that is to be impressed on the pen is on a steel die, and with this machine is pressed into the top of the pen.

The next machine brings the gold pen into its proper rounded shape. As yet the pen is not split. This delicate operation is performed by a slitting lathe. With this the slit is cut through the point, and as far up the pen as desired. The delicacy of this work is shown by the fact that the workman's eye is the only guide to the straightness of the slit. The slit is left very wide open and is wrought together by manipulation of the workman's thumb nail and fingers.

The pen then comes to the grinding lathe. A thin disk makes the inside edges of the slit perfectly square, and another grinding surface rounds and smooths the iridium point to the proper evenness for writing. This work requires the most skilled workmen in the trade.

The final process is the polishing of the pen, which is done on fast revolving wheels covered with felt charged with rottenstone or polishing material. The pen is now "nibbed" on the in-

hold ink. The grinder then takes it again and touches it up with great care and after cleaning up with chamois cloths, it is ready to go to the trade or to the fountain pen manufacturer.

A heavy item of expense to a gold pen manufacturer is the "waste." It is estimated that the various grinding, polishing and cutting operations cause a loss of not less than fifteen per cent. Every particle of dirt in the shops is cleaned up and put away, and by careful manipulation as much as six per cent, of the waste is usually re-

Invention in the Stationery Field

The large army of rulers has received a further addition in the shape of a flexible steel one. The same is, of course, flat, and the side which rests on the paper is provided with a strip of India rubber which prevents its gliding about. A most handy little article, which is likely to soon find its way into every office and study, is the blotting stump. It very much resembles

the crayon stump, and its claim to the position of a useful stationery article is in every way justified. In spite of all the patent inkwells which make it impossible to overcharge a nib, the treacherous old inkpot still holds the sway. Ink blots are often the consequence of this ill-advised conservatism. If taken up with the blotting paper at hand they are frequently only flattened out. Many people, therefore, tear little pieces off their blottting paper, which thus becomes of a ragged appearance, and the required end is thus attained at a sacrifice. The blotting stump is either made from the pulp as a solid stick or it is cut out from boards consisting of several layers of often differently colored sheets, or it consists of rolled paper. As soon as the point has become saturated, a new one can easily be made with the scissors by any one.

Another useful and rational invention is a new book mark. Unfortunately it requires a slight alteration of the book cover hitherto employed. It consists of a hand similar to that of a clock, which glides up and down in a slit, which has to be cut into the portion of the cover extending over the side of the pages. Being made of thin and easily bending metal, the hand is pushed to a position opposite the line where the reader has left off, and then bent down. There is a simple arrangement to prevent the hands from being accidentally moved out of position. I should think that any firm of booksellers or bookbinders taking up this new idea would soon find eager buyers for books thus fitted. Pencil sharpeners have

hitherto had a great shortcoming which much interfered with their popularity. It either required a double process to remove the wood and to produce a properly pointed graphite, or the latter appeared short and stumpy if sharpened under the same angle as the wooden portion. One of the new sharpeners is fitted with two knives. The one, a rigid strong blade, shaves off the wood without touching the graphite, while the other one has to shape the latter into a long point. For this purpose it is formed like a section of a watch spring, and being flexible the graphite will not break off, even if the pencil should not have been inserted quite straight. Upon the angle of the sharp end of that spring-

side of the nibs to roughen it so that it will readily like knife depends, of course, the length of the point. The second new sharpener cannot boast of any improved construction of its essential parts, and all the advantages it offers consist in its being a combination of point protector and

Like many other things,

sponge basins have their failings. If they do not contain enough water they are of no use, and if there is enough it frequently proves to be too much. A new ingenious contrivance has, however, just appeared in the market which, I believe, is attributable to an American inventor. It consists of two portions, of which one fits upside down into the other. The outer one looks like a large ordinary round basin, or like a flower pot saucer, but with vertical sides. It is rather difficult to describe the second part without having recourse to a drawing. However, I believe the reader will understand me if I represent it as a ring made of a very wide piece of tubing, which has been halved in such a way as to produce two grooved rings. From the inner of one of these rings a little has been removed, and after having been filled with water, the basin is placed over it upside down, whereupon the two portions are lifted up together and placed on the table in the right position. Thereupon only a limited quantity of water will enter the basin in the center of the ring, where the sponge is placed, as a partial vacuum is produced inside the ring by the outflow of the water. The latter only trickles forth in the same proportion as the liquid in the central portion is being absorbed.

A great many inventions have already been made for the benefit of those afflicted with the writer's cramp, but new contrivances are continually being thought of. The latest is a double ring, or rather a strap of metal bent similar to a sign of interrogation; the lower and smaller ring thus formed is passed over the penholder and the larger one over the first finger.

An eminent scientist has recently said that only paper handkerchiefs and napkins should be used, and then burn them when done with. This will kill all disease germs which are liable to spread by linen which is used until worn out. A handsome set of paper napkins has just been brought out. They are made of silky white paper, but are bordered with pictorial representations of different sports printed in color. They are tasteful and cheap. -American Statione

The Lesson of the Hour.

From the mercantile agencies we gather that the last year was one of the most prosperous, from a business stand-point, on record, whilst the number of failures and the amount of liabilities were correspondingly small. This is an ournging exhibit for which we have reason to congratulate ourselves, but we should be careful not to allow the present situation and hopeful prospect of the future to induce extravagance and careless business habits.

A conservative course is always safe to follow, whether in prosperous or dull times, and we know of no greater error than to take advantage of the present rush of business to extend credits. We have fallen on good times; there is plenty of money-more than we know what to do with-and there is abundance of work and good pay for the masses, and experience proves that when the classes are so favored they are apt to spend freely. In such circumstances the danger lies in extending credit beyond the conservative line; and our advice is, "don't do it," unless you feel that you would do it if the times were less prosperous than they are now.

THE NEW ENGLAND WATCH CO.

TO THE TRADE

We are advertising extensively this fall and we are distributing largely our Blue Book, showing all about ladies' watches, and our Red Book. showing all about men's and boys' watches.

These all direct purchasers to the jewelers. Therefore, keep your stocks well filled and order early. A phenomenal fall trade is before you. We are sold up to our limit on nickel watches, and anticipate the same on ladies' goods before October 1st.

We are pleased to supply you with both the Blue and Red Books with your name on, to give out as a souvenir. They are attractive and taking, and give added interest to your patrons.

OFFICES

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Electro-Metallurgy.

A Resume of the Silver-Plating Process.



AUGUST, 1900

LILVER solutions become foul from use from many causes, among which can be named the action of the air on the free cyanide. Exactly what the chemical changes are would be hard to tell, neither is it worth the trouble of investigating. In silverplating solutions a gray-white pre-

cipitate forms, which is easily stirred up and is liable to interfere with the proper silver deposit. To remedy this condition a solution should occasionally be filtered, but the inexperienced workman should not allow himself to get the idea that every time a silver-plating solution goes wrong, idest, doesn't work satisfactorily, it needs filtering, because usually a silver-plating bath is a thing of long suffering, and will turn out good work if humored by an experienced workman when in a very bad condition. It is the novice who comes to grief by permitting any of the details to become faulty. For filtering a small bath, say up to fifteen or twenty gallons of solution, a bag made of two thicknesses of brown cotton sheeting, after the manner described in article XXVI, and illustrated at Fig. 1 of that issue, can be employed. A piece of cotton cloth 18" square, after doubling, will be about the right size. The same kind of support as there described can also be made use of.

Such filtering is only useful Filtering Solutions in a limited degree, as it will not remove the chemical contamination held in solution, as, for instance, we make a plating solution by dissolving the metal direct from the anode. In such case the cyanogen of the cyanide of potassium unites with the metal and the potash is set free, but held in solution and cannot be removed by filtering. Now such contaminations can in no way be of any use, and can in many ways be a detriment, consequently we

should avoid them as much as possible. Plating solutions will sooner or later become sophisticated to that degree that it is not desirable to use them. In such cases the best plan is to remove the metal, which in this case is silver, and throw the rest of the chemicals away. In dealing with chemical matters it is well to understand the chemical actions and reactions which take place in such operations. As, for instance, we are making a silver-plating solution by first dissolving silver in nitric acid, then precipitating the silver as silver cyanide, which, by adding an excess of cyanide, is red'ssolved. Now, if we add some chemical having a stronger affinity for silver than cyanogen, the cyanogen is set free and escapes

In dealing with an old plating ring Silver bath we add hydrochloric acid which, after first decomposing the free cyanide by uniting

with the potash, liberates the cyanogen as a gas. After the free cyanide is all disposed of, the chlorine of the hydrochloric acid unites with the silver, forming insoluble chloride of silver. Practically we add hydrochloric acid as long as any precipitate is formed, which is as long as any gas bubbles are given off. In treating old plating solutions as above the operation should be conducted out of doors, as the gas given off is highly poisonous. All the silver contained in the solution is now in the form of a chloride of silver which can got hold of the wrong kind o' glass."

be changed into metallic silver by the process described for making silver-plating solutions from old, impure scrap silver.

We have now given the keys to all the mysteries of silver-plating by electro-deposition, and it only remains for such of our readers who desire to acquire the art to read carefully until the entire details of the process are thoroughly understood and then carry such knowledge into actual practice. In reading such technical matters it is always well to mark such paragraphs as strike us as being important, and also at the same time make note in a small book of such paragraphs in order that we can find them readily in case we wish to refer to them again. This is particularly important in articles like these where there is no index. It is a fact well-known to all careful readers of technical books that an index so made will contain clues to useful information not to be found in the regular index.

Perhaps we should say a few words more in relation to silver anodes. Such anodes should in all cases be of pure, or as it is termed in the arts, "fine silver," also called .999 fine. Coin silver will in no instance answer, as such silver contains one-tenth of its weight of copper, and would soon ruin a solution. Although fine silver, 1008, can be bought for fairly reasonable prices, still many workmen would like to know how to make fine silver anodes for themselves.

There are several methods of refining silver conducted entirely by fire, but the detail of them would be too long and intricate for this department, and besides they require long experience and constant practice to carry them out with success. The wet assay, that is, to dissolve the alloyed silver in nitric acid, is described in article XXII. In that description we told how the precipitated silver could be made up into a plating lution; to what we there said we would now add that the silver precipitated by the zinc rods can be melted by employing bicarbonate of soda

If ordinary Hessian crucibles are used for melting they should be "glazed" previous to use by dusting them on the inside with borax powder, and then heating them red-hot, which operation forms a borax glaze and prevents the silver from entering the pores of the crucible. The melted silver is cast into ingots and afterward rolled out to the proper thickness for anodes. The hooks which support the anode should also be of fine

"Smoking Glass."

Pat was no astronomer, says the Cleveland Plain Dealer, but next to his pipe he loved to be "up to date." A friend had been telling him about an approaching

That night Pat sat on his door-step, patiently puffing away at his old pipe. He would light a match, pull at the pipe, and then, as the match burned out, try another. This he did till the ground was littered with burnt match-

"Come to supper, Pat!" called his wife from the

"Faith, an' Oi will in a minute, Biddy," said he. "Moike has been a tellin' me that if Oi smoked a bit av glass, sure I could see the shpots on the sun. Of don't methods of display which will make your advertiseme know whether Moike's been a foolin' me, or whether Oi've the first things seen upon the pages where they appear.

Do watches indicate the personal character

their wearers?" is a question which is answered in the affirmative by J. H. Jones, the official watch repairer of the United States Sen

Mr. Jones is known as the "time-and-tide" man of the Senate. It is his duty to tell Senators why they do not get rain in their States when it is needed and also why it does not stop raining when dry weather is demanded by their constituents. He also regulates Senatorial watches.

Some of the finest watches in the United States are worn by Senators. Mr. Hanna has an excellent one. It modest in appearance, and the Senator does not care much how it keeps time just so that it does not cause him to miss trains. If it is within five or ten minutes of the chronometer he is satisfied. It has an American movement.

Senator Marion Butler, the Populist from North Carolina, is most methodical. He has a watch which he insists shall keep time to the exact second. He daily compares it with the chronometer

William M. Stewart, the easy-going Senator from Nevada, whose views on the "crime of '73" would fill many volumes of the "Congressional Record," compares his watch with the official chronometer twice or thrice a day. It must keep within five seconds of the correct time or be regulated. His watch is solid gold, worth about \$400, and sidered one of the best in the Senate

McEnery, of Louisiana, is rather old-fashioned, and so is his watch. He is not particular what kind of time it keeps just so it moves along.

Senator Kean, of New Jersey, has one of the most antiquated watches in the Senate. It is an English make. and evidently an heirloom in the family. It has five or six cases to be opened before the works are exposed. So care ful is the Senator of his watch that he will allow no one to handle it but himself. It keeps good time.

Senator Thurston, of "Rose, Sweet Rose" fame, wants his watch to agree to the second with the chronometer He is a regular attendant to compare the time, and his watch is as neat and methodical as the Senator himself.

Senator Hoar guards his watch with great care. He never permits an alien hand to touch it. It is a good

Senator Beveridge's watch is like himself-nervous and able. One day it keeps good time and the next day it is off. He is indifferent as to what kind of time it keeps, and will not permit any one to handle it long enough to regulate it.

Senator Scott, of West Virginia, has a fine watch, presented to him by the clerks of the internal revenue office when he was con er. It is a good timekeeper and is the apple of his eye.

Senator Cusliman K. Davis, chairman of the Committee on Foreign Relations, is careless about the little things, but most exacting in affairs of state. He does not take very good care of his watch, and often permits it to run down.

Senator Tillman does not greatly care how his watch runs. He is satisfied if it does not lose more than ten minutes a day. He compares it regularly with the chro

meter, but seldom attempts to change it.

Senator Hawley, of Connecticut, has one of the best watches in the Senate, and it has a Connecticut movement. He regulates it himself, and it keeps time to within a

fraction of a second.

Senator Allen invariably forgets to wind his watch, and sequently it is not an extraordinarily good timepiece.

The best watch in the Senate is owned by the Secretary.

Charles G. Bennett. He is the most exacting of all, demanding that it agree with the chronometer to the second.

Romances are oftentimes suggested in the opening of senatorial watches to regulate them. Faded flowers, locks of hair, pictures and other mementos of the younger days of Senators are dropped to the floor, but explanations are

Advertising Advice.

Do not make the mistake of doing just the things your competitors do and following along in their tracks.

something different. Get out of the rut. Try to make your advertising individual. Try to have it reflect your points of superiority and try to make your advertisements stand out above their surroundings.

Put the story of your goods before the public in a straightforward, simple, frank manner, and study out ods of display which will make your advertisements

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On account of the death of my late husband, Edward Lee Feyler, I offer for sale

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(one of the most thriving manufacturing towns in the West), for many years conducted by him. It is well established, the stock is up to date, and this store has always done a paying business. Full particulars given

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Wait for them-they have the largest line in America to the Retail Trade. If you are not called on, we would be pleased to hear from you, and have one of our travelers call on you or send you a selection package.

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Have you tried our

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Workshop Notes.

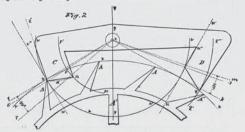
"Inquiring Mind." - Did you not make a slight mis-"Inquiring Mind"—Did you not make a tilght mis-take in your reply to the second question of "Pulled Jewel." on page 157, February, 1900, Kevirovsk, when you say whe force comproyed from the tempe whole to the balance would be alike." (I notice you did say the power would be the same), Although the scapement about has equi-diciont lockings the power exercted on the fork and frew just in soft to some is each diversion, at the acting face of the exit pattle has a much larger Fig. 4, in the time referred to, thous you must have had the same than in when. Please explain?—We made no mistake in the works we used, because the entrace pallet acts with as much referred to, shown you must have had the same idea in series. Please explaint—We made no matake in the worth war. Please explaint—We made no matake in the worth officer on the balance as the exit pullet, the singular theorem of the control of the series of the series

the mechanical force involved is represented by the tooth of an encape wheel of passing through an arc of 10². The number of the passing through an arc of 10². The number of the passing through the passing through the passing through the problem lies in the question, what is the mechanical lies in the question, what is the mechanical expension of the passing through this arc engaging the entermace pallet in the same as the one engaging the extra pallet. The tooth engaging either pallet passes through the ame are, and the force imparted it represented by an equal weight failing through the same space. We down at Fig. 2 an estinguit disaving of the ranket tooth

of a 16 size watch, the escape wheel of which is .245" in diameter. We measure the thickness of the entrunce pallet on the large drawing and find the control of the pallet for the main state of the state of the thickness of the pallet for the small escape wheel. To work out the problem we will first call the thickness of the pallet, on the pallet in the drawing, an even inche. On working out the problem we find the thickness of the entrance pallet to be slift. We measure the thickness of the entrance pallet to be slift with the state of the call of the thickness of the state of the slift. The size of any part of an escapement can be determined in the same way. The trouble in making a general application of such a rule is the variation in escapement, as, for instance, in the ratchet tooth escape ment we have circular pallets and those with equivalent to the control of the size of th

"Lever Excapement,"—What is meant when speaking of a love excapement by inside and outside drop, also as regards being too close inside and too close worked, and too the state of the stat

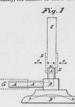
"Sencea."—(1) What is the best method of tempering small drills, seem drivers, etc., made from Stuh's Itel's meer?
—It depends a good deals on the quality from the property of the property o



lever escapement with equi-distant lockings. You will motice that although the tooth acting on the east pailer has the advantage that the devantage of the control of the c

removed and immersed in cold water. If only a drill or screw-driver is to be hardened it is a good pian to use a better that the screw-driver is to be hardened it is a good pian to use a consequence of the screw-driver is the screw-driver in the

similar work. Such burners have not for some reason found as muci-favor with jewelers as they saidy deserve. They can be bought, but not usually with all the accessories the jeweler requires. It is a very easy matter to make such a Bunsen burner. To start with we need two pieces of brais tube, one piece to be 4/2 and the other 4/2 outer diameter. Usually, the smaller of these tubes will exactly it into the larger one, as the

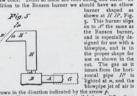


of seamless brass tube.

It is a good plan for a jeweler to buy a couple of fect of each of the sizes named, as such tube is very

on when the reason and the same and the sizes named, as such table is very convenient for many purposes. In make first provide an iron has enhanced as shown at ABA. The better plan seems to be to tap the pieces of the A'A'. The better plan seems to be to tap the pieces of the size ABA to the same and the size of the

it to a brown or purple, leaving the extreme point s a pale straw color. Drills so made are both strong and hard. In addition to the Bunsen burner we should have an elbow



Tighted at m, and the bowippe jet of air is thrown in the direction indicated by the arrow p.

(a) Hem due a "compensation" balance differ from so and "expansion balance"—They are different hances (3) Hem is a world adjusted to temperature!—A watch provided with a compensating balance is adjusted to different temperatures by changing the position of oblasce screw. Suppose, for illustration, the watch gains on the railing off of the temperature, we change the position of a pair of screw-method their in the rim of the balance—from a position near the cut end of the segments. We follow the opposite policy if the watch lose by a falling temperature. That is we remove a pair of screws near the cut end of the segments to a position near the arms of the balance to one near the cut end of the segments to a position near the arms of the balance to one near the cut end of the segments to a position nearer the arms.

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of 65 Nassau Street, New York City, and parantee (parented December 19, 1899) of the Protector for Hairsprings, thus the same from jumping in or out two or three cells had not also the same from the parenter of the parenter of

DIRECTIONS how to put my invention in a watch or clock .- To cut off the

above out. All this work is a saily by accomplished in lest that for minists.

Ask the watch material houses for Old Johnson's Watch Halrspring Protector.

Flease forward treasly-five cents and I will send you sample.

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Size.	Height.				Si	gl	e fli	пр	111	ey								P	and loo
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v.

Two Very Desirable Tools Described.



f the pliers mentioned at the close of our last article had parallel jaws they would give better results, but we would need a pair for about every diameter of balance we true.

The best practical tool for balance truing is the one which leaves as little as possible to depend on the dexterity of the workman. We are aware that this rule does not apply to the graver and file work, but these are exceptions; the rule stands as we stated it. A simple tool, and one that is free of the cone error, can be made from a pair of cheap 31/2" or 4" flat-nosed pliers. To make such tool, draw the temper of the jaws until they can be drilled, then drill a hole in each jaw close to the end : the position

of such holes is indicated by the dotted line z z, Fig. 56, where we show a side view of the jaws of such a pair

of pliers. At Fig. 57 we show a view of one of the jaws seen in the direction of the arrow y.



The holes z in the end of the jaws are designed for screws which hold the piece v, Fig. 57. It will be seen that there are two pieces, vv', Fig. 56, one being attached to each jaw of the pliers

as shown in Figs. 56 and 58, the latter figure being a view of Fig. 56 seen in the direction of the arrow to. It will be seen that the pieces v v' protrude each side of the

jaws of the pliers as shown in Fig. 58. At x, Fig. 56, is placed a stop screw, the object of which is to gauge the distance to which the jaws A A' may approach. The head of the screw x is graduated into divisions so as to know how much to approach the jaws A A'.

The ends of the pieces p p A New Balance Truing Device are shaped so as to bend a balance rim to the proper curvature. It is a well-known property of three pins to pro-

duce an even curvature to a straight piece of metal. To illustrate, let us suppose the metal bar B, Fig. 59, to rest on two pins shown

at p' p", and we should arrange the pin p to move down a certain distance so as to bend the bar to the dotted line n. It is evident such bending would produce

very near a perfect curve if the pin p moved down a certain distance every time, and the bar B was fed along so that the entire length was subject to precisely the same bending. We show at Fig. 60 a view of the

pieces v v', Fig. 57, seen in the direction of the arrow o. This cut shows the shape of the pieces v v' as they pro-

trude from one side of the jaws A A' of the pliers. The pieces v v' extend out but a short distance, say 18", and are shaped as shown. The width of v v' as shown in Fig. 60 is also about 10". The stop screw x is set to such depth that the jaws v v' give the proper bend. The opposite any excess of bend gradually as gauged by the quite unnecessary.

stop screw x. We show at Fig. 61 such opposite ends, or as if seen in the direction of the arrow k, Fig. 57. The protruding ends of v v'



are filed so as to stand at right angles to the outer edge of the jaws A A' of the pliers. In bending a balance to true it, it is well, as a rule, to not take out the screws, as not one compensation balance in twenty, if trued with the screws out, would be true when the screws were put back. The device just described will bend the rim of a balance between the screw holes. Where it is desired to bend a balance rim between two screws, the screws should be removed if they set close together.

The next device we have to deal with is one for holding the balance while it is being bent and manipulated aside from bending between the screws. The best tool for this purpose is a pair of hand tongs made

over. We show at Fig. 62 a side view of the nose end of a pair of hand tongs such as we want for

making our new tool. The ends of the jaws DD' are annealed and cut back to the dotted line a, Fig. 62. After such cutting the jaws are recessed out as shown at the lines / L.

The ends of the jaws of the hand tongs are shaped to hold a balance firmly by grasping it one jaw above the balance arms and one below the conical hub which supports the

balance. We show at Fig. 63 a magnified side view of jaws D D', Fig. 62, to the right of the line g. In this cut we also show how the balance is clamped. The upper jaw D is flat on the inner face

where it rests on the arm m of the balance, while the opposite jaw D' where it rests on the hub of the balance is rounded as shown at a. The idea of this rounded jaw is to press the upper surface of the balance arms firm on the flat face of the

upper jaw and avoid all danger of disturbing the balance where it is set on the staff. At Fig. 64 De we show a view of Fig. 63 seen in the direction of the arrow i. At e is shown the slot in the jaw

D which goes astride the balance staff at the position at which the hairspring collet goes. The lower jaw D' is also slotted, but not so wide, so as to go astride the lower part of the balance staff. At Fig. 65 we show an end view of the jaws D D', Fig. 65, seen in the Fig. 65 direction of the arrow f.

The balance holder we have just described holds a balance rigidly while we make a bend either in the rim or the arms where a balance is held only

with the fingers. It is to be understood that while the tool shown at Fig. 63 is attached to the balance the slide link of the hand tongs is pushed back so as to hold the jaws D D' firm on the balance. A small tool known as a "balance wrench" is of advantage in truing the balance arms; it is made of a piece of spring brass about "" thick, Ta" wide and 3" long. It is shaped as shown at H, Fig. 66; the notch at C is intended to embrace the arm of the balance. This tool is often made ends of v v' are simply flattened so as to remove with a wood handle, but such addition seems

Another somewhat similar tool is Fig.66 often employed for bending the rim of a compensation balance. We show the

tool at Fig. 67. It consists of the brass piece I made of hard brass about 10" thick and 2" long. This tool is the better by having a wood handle about 1/4" in diameter. The piece of sheet brass from which this tool is made is filed square across at the top and drilled for two pins shown at b d. The pin b should be about

100", and the pin d about 100" in dia-The larger pin b is best made of ivory; the smaller one d of hard brass. These pins should extend out of I about 110". At

Fig. 68 we show an end view or Fig. 67 Fig. 8 seen in the direction of the arrow q. To use the tool the pins b d are put astride the balance rim-the ivory pin against

the brass, and the brass pin against the steel portion of the compensating segments. The bend is made in the rim by twisting the handle L. The chief objection to this tool is the uncertainty of the bend. Not so with the tool shown at Fig. 60, as bends made with this tool can be gauged by the screw x with the greatest precision. It should, however, be constantly borne in mind that no matter what tool is employed for bending, the bend should be a trifle in excess, and then bent back a little to ensure stability. A further precaution should always be attended to, which is to heat a compensation balance up to about 200° F. after truing it. Some say heat in boiling water; but if the lower part of the staff is held in a pair of tweezers and the balance flashed through a lamp blaze until it connot be comfortably touched, such heating will "season" the balance sufficiently to make it maintain its shape through all ordinary changes of temperature.

(TO BE CONTINUED.)

A Remarkable Clock.

A wonderful clock has just been erected in the Grand Arcade, Leeds, which hourly gives a novel representation

of the British Empire, says The Golden Fenny.

The clock, which is claimed to be the greatest horological feat of the century, is the work of Messra. William Ports & Sons, of Leeds,

As each quarter hour strikes numerous little figures, each representative of some portion of the empire, move forward and bow to the onlookers.

Until the hands point to the quarters only two figures, representing mail-clad knights with upraised battle-axes, are visible. Immediately they have chimed on adjacent

are visible. Immensively usy georges, the real display takes place.

A door opens and a British Grenadier in full uniform marches forth, and on reaching the center of the platform faces to the front, and salutes in precise military fashion. He is followed by a smartly-killed Highlander, also a warrior, an Irishman, in the old national coatume and warrior, an frishman, in the con manional continue and carrying a shilledh, a Candian boatman with his paddle, and the dusky figure of a Hindu, with turban and loin cloth. Each makes an obeisance to the onlockers in passing, and when the last figure has retired the doors close automatically. Then a cock over the timepiece flaps its wings, raises his head, and crows three times.

Large crowds visit the Leeds Arcade daily to see this novel clock, which is undoubtedly one of the most remark able timepieces in the world, combining as it does some of the features of other famous clocks, together with many original improvements. The cock, for instance, flaps its wings similarly to the one at Strasburg Cathedral, and the time is shown upon a polished copper dial with blue figures, like the noted clock at Berne. The escapement is the like the noted clock at Jerus double three-legged gravity by Lord Grimthorpe—the greatest living authority on clocks and bella. Many ports of this remarkable timepires are made of gun metăl, but the automatic figures are of copper bronze.



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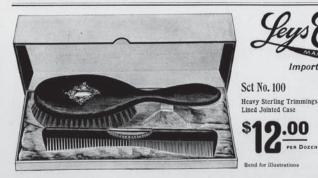
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Workshop Notes.

"Exceptions will be answered in the solver in which they are received.

"Exceptions."—(**) I am having some trouble with a Waltham elevers growl necessaria. When I set the pallet freach is they hold escape which, the veller freach will not be provided to the pallet freach is they hold escape which, the veller freach will not be present the freed they have been and the free they will not a present the freed plus to pass and of the specific plus of which was the set of the pallet freed entered to deep. Please explain have to set matters right. This is an every-day puzile to a great number of watch-makers. To master it, we first examine the lever and palleth makers. To master it, we first examine the lever and palleth and the proper relation to each other for a watch of the grade and kind you have in hand. If these parts seem to be all right, next examine to see if the pallet jewels are of the kind and shape adapted for that grade of watch. We have vorne jewel—as, for instance, frying to make an exit pallet jewel answer for an entrance pallet. I ministion American pallet jewel answer for an entrance pallet. I ministion American pallet jewel are very frequently set a wrong jewel-instance of the parts of the part of fork on either side. Open the banking pins gradually until the jewel jin will just pass out of the fork either way. Bend the guard jin forward again so that it will just be free good the fork of the way. Bend the guard jin forward again so that it will just be free good deal of care should be exercised in adjusting the guard pin so that it is free of the roller in all positions when the fork and roller action as it should be, and if we bring the year of the control o

"Stick Fin."—What is the best cement for fastening half pearls in their settings, also for securing desilied fearls on stick pinst ?"—There is no cement which will security hold a half pearls place. The best cement for this purpose which has come to our notice is made by dissolving extensive the pearls for the desired states of the pearls for the desired states of the pearls for the pearls for the pearls for where the pearls form the definition of the pearls for the

are seldom very proficient in the use of small crews. The arrivan who combine the skill crews. The arrivan who combine the skill crews. The arrivan who combine the skill crews. The arrivant was the same plate. Pearls are a little difficult to hold for tapping, as all kinds of champs have a tendency to hold for tapping, as all kinds of champs have a tendency to hold for tapping, as all kinds of champs have a tendency to hold for tapping, as all kinds of champs have a tendency to hold for tapping, as all kinds of champs have a tendency to hold for tapping, as all kinds of champs have a tendency to hold for tapping, as all kinds of champs have a tendency to hold great place. The tendency have for the present a tendency to hold great place and the present a tendency to the state of breast such as the place of breast line. We show such a piece of these at B, Flyd. The tendency have the present of t

"R. R. Inspection."—d railroad watch inspector told
me he would reject a watch which timed as follows: pendant up, 12 records slow; did up, to second slow; did
down, 7 records slow; did up, to second slow; did
down, 7 records slow. I would like to home the casel repectors have rules of their own. We believe it is generally
required that a watch for railroad purposes shall not vary
irty seconds as week when carried, which is mostly in the
rest fall seems to be in the dial up and dial down positions
-these should be closer. But even with the rate you give
the watch should pass, because the greatest error between
dial up and pendant up is only four seconds, which in a
rind in the second should be should be

"Chievide of Cold."—If soft or tinner", solder he mixed with gold, will nitro-muriatic acid distuble bold metals, or will not bold worth precipitate regelier? I would be sold worth green to be sold worth and the chievide of gold, or to must the chloride by tiss!!—We cannot see why workmen will presid in trying to disolve alloyed gold store in me which would balle any one but a proficient chemits to unrawl. To get the alloy out of gold, melt it with two and one-half times its weight of scrap silver, and east into an ingot; after which coll cut as this a possible with water. Or the silver and gold alloy can be granulated by pouring, while melted, from the crucible into a westel of water given a rapid rotary motion by stirring round and two the sold water given a rapid rotary motion by stirring round and owner given a rapid rotary motion by stirring round and round with a fut paddle. The rolled out metal is cut into mixer acid (before diluting) added for every cause of alloy. The granulated metal is treated in the same way. If the action of the mixer acid is a little slow, as it will often be leasted as hot as the hand can bear. When the chemical action ceases and heating will not renew it, and a little of the alloy remains undisolved, add enough diluted nitric acid to complete a perfect solution of the alloyet gold. The are prue gold, and represent every grain and fraction of a grain of gold contained in the alloy. Carefully pour off the acid, and then was the percipinate, which you can melt into a batton in a black-lead crucible, using extendant of

potash as a flux, or you can dissolve it in nitro-muriatic acid and make chloids of gold of it. To recover the silver, distant the said you poured from the flux one-half with water, then add chemically pure muriatic (hydrochloric) acid as long as it throws down any white, cardy precipitate. Let this precipitate settle, then pour off the supernatent fluid and pour on pare water; let settle, and pour off as leder, expessing the operation three or four times, to wash the precipitate. The continues of the supernatent fluid and the precipitate of the supernatent side of the supern

"White Fluith,"—Will you kindly inform me how to produce a pear-builte furth to my engraving on silver? The articles are to be voiath-brushed and the engraving on the white. I will do in the second of the second

"Non-Magnetic Watch."—I have a customer who must a very nice non-magnetic watch of the exjencial grade which, after being required, will see if the exjencial grade which, after being required, will see in the result that the commune to lose, the rate investing as time goes on. Arguitz it once more and it will report the same. I wish the commune to lose, the rate investing as time goes on. Arguitz it once more and it will report the same. I wish changing the balance. Fullish mad temperature errors do not seem to affect it more than other watcher.—We would not advise you to make any change at present in either harryping or balance, as we are inclined to think the either harryping or balance, as we are inclined to think the either harryping or balance, as we are inclined to think the condition of the control of the control

"Demagnetiser."—I with to know more about the mechanical principles of demagnetising or multifying for which are determined by the demagnetis of the multiple of the demagnetis of the demagnetis of the demagnetis of the demagnetis of the minimum offert only the magnetist of parts of a work, and in no other way influence the other treef parts of the zane would.—The principle on which as alternating order to impur magnetism to a piece of hardened steel as enablet time for its removal. It is also held that by subjecting a piece of steel in which magnetic polarity subjecting a piece of steel in which magnetic polarity subjecting a piece of steel of which magnetism in a piece of steel will be metallicated. Now the facts are, that many contingencies exist in all problems of demagnetism, for example, we have two pieces of steel of prefer by the trifle harder than the other. Now, these two pieces will trifle harder than the other. Now, these two pieces will entire receive or part with their magnetism. This is only one example, but scores of other examples could be cited. In fact, the multiplicity of phenomena attending the problems of the property of the property of the property of the property of the parts attended can be entirely relied on, and we would consider no fine watch as a case of the property of the pro

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ng campaign goods and novelties on the market.

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SUMMER RESORT NOVELTIES OF ALL KINDS.

San Francisco Letter.

There is no reason to complain of business this month, particularly as with the majority of our wholesalers it is considerably ahead of the same month last year, and their confidence in a big fall business remains unskaken. The majority of the traveling men are off the road taking a wellearned rest and getting themselves in readiness for the

The Northern mining cumps are now sending down the gold washed out of the auriferous gravels in the spring by the ton. It is estimated that the Klondike will turn out at least \$20,000,000 before the close of the season. The tributaries of the Yukon within American territory are also proving productive this year, and considerable gold is coming from them. It is too early to speculate with any degree of certainty as to the output of the Cape Nome and Topukuk beaches and the smail creeks in the Nume districts. Reports received thence within the past week have been conflicting. Much will depend upon the result of prospecting on the tundra and the outcome of the disputes between rival claimants of locations on adjacent gold-bearing creeks, Uatil these disputes are settled the working of the ground

is likely to be suspended.

Atlin turned out over \$1,250,000 last year and promises to do even better this summer, as litigation tied up som: of the most productive properties there through a large part of last summer. One of the interesting features associated with the output of Atlin was the manner in which two thirds of it escaped the payment of royalty. A large part of the gold taken out of the best claims escaped by being paid as wages to the workmen employed, and the claim owners' supplies were paid for usually in gold dust; only the profits on these mines paid the royalty, and that only the profits on these mines pain the toyany, aggregated about \$425,000. Of this amount one per cent, was collected by the government. All claims which either barely paid expenses, or were operated at a loss, escaped payment of royalty also. Summing up everything, it is perhaps not an overestimate to assume that the gold-producing districts of the far North will yield from \$25,000,000 to \$30,000,000.

payacococo a payacococo.

The concintrating plant of the Ray Power Mines Co.,
Lid., Pasenix, Arisona, has been in operation for three
weeks, and is working soccessfully in every detail. The company is planning for enormous reduction works. An excellent smelter site has been selected at Keivin, where water is available, and according to the general plans all machinery will be capable of treating 1000 tons of ore daily. An innovation in Arizona copper mines was made with the introduction by the Ray Co. of crude oil exclusively for fuel.

The people of Alameda, that charming little city just across the bay from 'Frisco, are somewhat excited over the fact that a prominent ranch owner at Leona Heights has discovered a mine of iron and copper ore on his property, which promises to pay big returns. It has long been known that gold and other metals were to be found in the foothills, but they were not in paying quantities. Now it looks as though a mine had been found which can be worked with

a large margin of profit.

For many moons have the traveling men of the East.

For many moons have the traveling men of the East.

leen expatiating to the jewelers of California on how baseleen expatiating to the jewelers of Large it them. ball should be played, and how they used to play it themselves when they were younger. And then they would point with pride to their crocked fingers and twisted thumbs and talk by the hour on how it occurred, and if their listeners eyes did nor bulge out with astonishment, or if their interest in the story seemed to wane, the Eastern min, as a rule, would look injured and soit of feel that their story was not appreciated, and that the average Californian did not know how to play ball, anyhow.

And so it was, when towards the end'of June, a number of the boys decided to Sunday over in 'Frisco together. They thought they would give the resident wholesalers an object leason is relative. object lesson in playing ball, and headed by a brass band, the best that Frisco could afford, on a glorious afternoon in Jane they proceeded into the Presidio followed by every jeweler, wholesale and retail, within fifty miles of town, occumpanied by their sisters, their cousins and their aunts, office boys, bookkeepers and friends, in carriages, horse-cars, omnibuses and vehicles of every description, to play the game of their life. And such a game as the two nines put up was, indeed, worth coming miles to see. To be sure, there were some few unpleasant features, as for instance, when Cobb wanted to lick the umpire for calling three strikes and out, when, as Cobb afterwards explained he hadn't struck the ball once, even; and then Limback was dead wrong for hitting the scorer, because he had him credited with stealing a base, and, as Limback said, why

should be steel a base, when he had no use for it? But these sundry little matters were quieted slown and explained away, and the game proceeded amidst intense excitement. A well-known jobber fell backward clean over the

fourteen-foot fence, excitedly applauling a twenty-eight-foot slide of Brown's to second, and several other well-known wholesalers yelled themselves hoarse when Herman Haden feldt threw his left shoulder out of place trying to knock the lining out of one of Barton's carves, and mi altogether. There were some wonderful plays, and when Whitney turned a double somersault and threw a runner out at the home plate from deep left, it brought everybody to their feet; and Sonelfeldt swallowed his chewing gum when he caught the ball, nearly choking to death in his excitement. Then Fay again electrified the hig crowd when, after running nearly a mile and falling down twice, he caught Meadows' line hit, which looked good for a home run, with one hand, lying flat on his atomach. It was aimply wonderful, and quite the star play of the season. And it is rumored he has since been offered a position with one of the kig league teams. The game was very close, and stood eight to eight in the ninth inning, but hig Meadows popped up a little fly, with Abe Cooper on third, and before the ball came down he stepped away from the plate about six feet, and hit it again, bringing Cooper in and scoring a home run himself. There were some calls of "fraud," "robber," etc., but the unspire allowed the play, and the boys from the East had to horrow money to get home. There was keen rivalry as to who should represent the East and West in this memorable game, and those who were not chosen were greatly disappointed, but went to see the game, nevertheless. In fact, there was rearcely a wholeaster or retailer who did not go, and the familiar faces in the grand stand made one think they must be close to Maiden Lane, instead of some 3000 miles away. While the 'Frisco wholesalers drove out in their four-in-hands and tallyho's, and while everybody present realized that the best team won, still there was much sympathy expressed for the losers, several of whom broke down after the game was over and wept. Colib, of Daggett & Ciap, had to be taken to his hotel in a carriage. Beautifully illuminated score cards were distributed to all present. The score follows:

	R.	H.	S.B	Α.	P.O.	10.
P. Walsh, (Armer & Weinshenk)	T	11			4	-88
toe Lewis, (Carrau & Green)	12	103	0.	2	4	3.0
At Buches (Hencock & Freet)	1	2	0		- 8	1
H Hadenfeldt (Rothschild& Hadenfeldt)	- 1	1	91	- 1	: 8	0
A. Cooper, (M. Schussler & Co.)	T.	117	0	. 3	- 8	0
	1	1	0		0.0	0
I. Gaffney, (Keystone Watch Case Co.).		3	1.		7.3	0
L. Aurich, (Nordman Bros)	1	1	0	18	1.4	0
W. E. Meadows, (Phelps & Adams)	. 2	1	0	4	23	.0
W. P. Brendows, a merpe ce tronder,	430		-	-	-	1
Total,	20	14	+	17	30	3

EASTERN TRAVELERS. R H SBA POE

C. Sone fieldt, (D. F. Briggs Co.)	5 0
Barton, (P. J. Cummings & Co.)	
Brown, (R. F. & H.) Pay, (R. F. Simmons Co.) 1 0 4 Pay, (R. F. Simmons Co.) 1 1 0 4 Pay, (R. F. Simmons Co.) 1 1 0 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Pay, (R. P. Simmons Co.)	
Colds (Daggertt & Clap)	3 .0
Price (Price Bros.)	2
Whiting, (Whiting & Davis)	2 0
Total	30 3

SCORE BY INNINGS.

Louis C. Koberg, of Healdsburg, Cal., is spending a few days in 'Frisco.

H. C. Hotfilter, one of the leading jewelers of Scoramento, deserted that warm city for a few days of 'Frisco

A. I. Bailey, of Los Angeles, Cal., bought out the optical business of P. S. Hant, Sacramento, Cal., where he will devote his time to the correction of anything and everything pertaining to bad eyesight. Mr. Bailey is not only a very fine refractionist, but a skilled workmen as well. He takes with him to Sacramento the best wishes of a host

G. Naher, of Fresno, Cal., was down from the raison

intry recently.

G. H. Boudreau, of Modesto, Col., was a recent and

come visitor in 'Frisco. Charles Wittmack, one of the leading jewelers of Fresno, Cal., is enjoying a short vacation, with his wife, in

Was, Johnson, the popular and all around optician of Standard Optical Co., and Belgium hare fancier of some note, has deserted Kearny Street and his pets, the imported hares, for a three-weeks' sojourn in Sonoma County, where he will put in his time fishing and hunting

H. C. Ray, of Visalia, Cal., with his brother, has gone for a month's fishing at Lake Tahoe.

O. Grannisher, of the Boston Optical Co., of Los Angeles, is in 'Frisco.

There was quite a big fire in the Levinson Building, 134 Sutter Street, early in July. It started at three o'clock in the morning in the factory of Donohue & Kerdell, manufacturing jewelers, and for awhile it looked as though the entire building was doomed. The firemen, however, succeeded in getting the fire under control, but not until the machinery and fixtures of Donohue & Kerdell were

Leon Nordman, of Nordman Bros., has gone to Lake Taboe for a month's vacation

J. C. Luckenback, of Los Angeles, has disposed of his rest in the firm of H. J. Whitley & Co., and will open a new store for himself in the Bryson Block, on Spring

Arthur Judis, with Alphonse Judis, has gone for a ort vacation to Santa Cruz Mountains.

A. O. Saalberg has returned to Everett, Wash., after tite an extended visit to Chicago.

Franz Mahneke, of Taroms, has made some very extensive improvements in his store which, when finished, will be one of the finest jewelry establishments in the Northwest.

The engagement of L. I. Berens, of New Whatcom, Wash, is being whispered around in the society contingent of that charming place.
Popular Charlie Weinshenk, of Armer & Weinshenk,

has just returned from a business trip through the North-west where he has succeeded in buying quite a fine collection of elks' teeth

Harry Heacock, of Heacock & Freer, has just returned from a month's outing in the wilds of California. He took a tent with him and lived out in the open, and got lack to the city brown as a Comanche Indian

J. W. Redhouse, formerly with Albert Hansen, of Seattle, is now with C. W. Richards, same city. Joseph Hoeslech, who has been in Europe for the last

three months, expects to return to Seattle by the end of July. L. B. Cohn, Los Angeles, Cal., has opened a branch store at Seattle, Wash.

Emile Pfund, popular jeweler of Aberdeen, Wash., who has been enjoying himself in Paris, Germany and

Switzerland, is expected home this month.

Iake Lesser, one of the leading jewelers of Portland, Oregon, surprised his numerous friends in 'Frisco recently, by dropping in on them without any notice. As soon as it was known that he was in town, however, he was kept busy acknowledging the glad hand,

Mr. Maurer, formerly of Flagstaff, Ariz., has opened a new store in Eugene City, Oregon.

O. Schlender, of Schlender Ilros, New Whatcom, is taking an extensive course in optics in the East.

Alphoese Judis has just returned from an extensive trip through Europe accompanied by his wife and son. They spent considerable time at the Paris Exposition, and the fruits of his buying will be seen later on in the leading

Amos Huggins, of A. I. Hall & Son, returned the latter part of July to 'Frisco from the second trip he has made this year to Eastern factories. This firm hopes to be in

their new store early in August.
C. S. Lindenhaum, master mechanic of the Jewelers' Building, 207 Sutter Street, 'Frisco, and one of those genial en everybody delights to know, came mighty near going men everyoov tangan to the "happy hunting grounds" recently. He had stepped into the elevator shalt to overlook some machinery when someone, unknown, run the elevator down on him and doubled him into a space seven sizes too small for him; to make matters worse it caught him in a crouching position and before it could be stopped came near breaking his back and, as it was, laid him up for nearly a month. Usually of a very quiet disposition, the people in the building and near neighborhood were naturally startled to hear him yell like a Comanche Indian when the elevator hit him, and every-body was relieved when they got him out of the hole alive.

"I might as well try to cravel through the eye of a needle as to do without The Keystone. Excluded find my subscription renewed."—C. A. Sturgts, jewiter, Watten-town, Fa.

We handle everything needed by retail jewelers.





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Goods sent on approval to responsible dealers.

Our facilities are unequalled for filling your orders with care and promptness Among the Trade.

The trade are invited to send us reliable items of news

G. A. White, formerly of Hope, this State, who enlisted in the army and went to the Philippines, was killed in a battle with the Filipinos. He had previously been promoted to lieutenant, and his record was a most honor

California.

Al. Schaufele, Monterey, is enlarging his place of Al. Scanuters, anomercy, as changing his passessions, preparatory to putting in a new stock of jewelry. The jewelry store of C. H. Leggett, Merced, is now in possession of A. E. Howard and Leigh Ingalabe, who purchased the business and good will of the establishment. The building will be thoroughly renovated.

Daniel Roche, formerly with J. C. Bloom & Co., Denver, has opened up a shop in the Kitteridge Building.

Denver Tontine Savings Association, of Denver, has been incorporated for the purchase and sale of diamonds with a capital stock of \$30,000. Incorporators: J. W. Harris, G. H. Fry, J. W. Wigton, all of Denver.

Henry Auling, formerly of Trinidad, has opened up at Grand Junction.

Georgia.

T. H. Wynne has moved his Hawkinsville branch to Cochran, combining it with his Cochran store. R. S. Davies, who was working in the branch store, will open a repair business for himself in Vienna.

S. M. Strain, Irving, has opened in the jewelry busi-

ness and reports a good trade. A good purpose served by a copy of "The Keystone Repair Record Book" is explained in the following clipping from a Staunton, Ill., newspaper: "George W. Fox, a farm laborer, was recently in St. Louis and while near the Union Station was knocked down and robbed of an open-face silver watch and three dollars in money. He asked W. J. Krug, our jeweler, to try to find the watch. Mr. Krug wrote to Chief of Police Campbell, of St. Louis, to be on the lookout for the watch and gave him a complete description of it. He subsequently received a letter from Chief Campbell stating that the watch had been found," Mr. Krug says the record was kept in a "Keystone Repair

H. L. Finzel, jeweler, Milledgeville, has bought the Meyers Building, near the Mummert Hotel, and moved his ess to the new quarters.

Chas. A. Emely, Casey, has added his stock to that of Lorenzo M. Stanton. The firm name is Emely & Stanton

Julius Walk & Son, Indianapolis, are remodeling the in pale blue, has been put up, and the walls will be decorated to match. The cases and all the jewel trays have been relined, and the show window will be remodeled.

The interior of the store will also be painted.

W. H. D.Limeter, has opened a new store at Fair-

Frank P. S. broeder, of Schroeder Bros., Manning, was married on June 6th to Miss Grace Shephard, an amiable and popular young lady. THE KEYSTONE hastens to extend

Edward Kooreman has lought the jewel y stock of F. L. Kamber, Alton.

C. M. Wiseman & Son, Louisville, have secured the contract to put a tower clock in the German Insurance Bank in that city. The contract was awarded the Louisville firm over a number of competitors from points outside

Porter & Marlow, Moline, have dissolved partner C. L. Porter will continue the business in the same location.

R. L. Kirby, recently of Tonganoxie, has removed to El Dorado, where he will open a jewelry store.

Hart & Parker is the name of a new firm in Shreveport. Both partners are hustlers of the first water and are already enjoying a good business.

The store of William C. Bryant, at 40 Main Street, supplies. Bangor, is being improved. Mr. Bryant has removed to the Masonic Building, Main and Water Streets, until the improvements are completed

The new jewelry and silverware store of George T. Springer, 513 Congress Street, Portland, is now open for business. Geo. A. Harmon has charge of the watch and jewelry department.

O. D. Wareheim, formerly of 1205 Patterson Avenue, Baltimore, has sold his business there to Geo. E. M. Wareheim, and will move to New Oxford, Pa., where he has fitted up a new store with fine mahogany fixtures.

The F. O. Robbins Co., Springfield, has filed a certificate of incorporation at the State House in Boston. The capital stock is \$40,000. J. Frederick Carl is president of of the new corporation, while its treasurer is Frank A.

C. D. Campbell, formerly of Fife Lake, has located in Bellaire and will put in a stock of jewelry in a store which

P. B. Smith has succeeded I. V. Sherman, Cassopo P. B. Smith has successed: V. Succession, Cassopouto-William Stolz, jeweler and opticin, of Saginaw, has been spending the past month in the East. He came to Philadelphia to attend the annual meeting of the Turner of which he is a member, and during his stay in Philadelphia made a pleasant call at THE KEYSTONE office. Mr. Stolz also spent a week in New York City and in the wellknown resorts in that vicinity. He reported the trade out-look for the fall as very promising. Trade conditions in his city have changed considerably in the last few years, and instead of depending so largely on lumber, as was the case formerly, the mining of soft coal is now quite an important factor in the Iceal trade conditions. A number of mines have been opened up during the past few years and the product is becoming quite a factor in the city's

L. M. Rotham recently opened a repair shop and jewelry store at 90 Woodward Avenue, Detroit.

Traub Bros., Detroit, furnished the handsome loving

cup for the winner of the Detroit Vacht Club series, to be finished the latter part of August.

Artemas Pike, of Orangeville, has bought the jewelry stock of Geo. N. Baldwin, Leonidas.

W. Z. Searles, Petoskey, has moved to a new location and into one of the best stores in Michigan.

G. P. Whiteside, New Albany, has renovated and remodeled his store and put in new fixtures. The store is now very pretty and complete as to stock and furnishing.

Mm. M. Overton,

Markham & Slack, Clarksdale, have moved their

Instruction of the complete as a jeweler.

jewelry establishment into more commodious quarters. Hunt, the jeweler, of Tupelo, is a liberal advertiser, and an original advertisement writer. He has little respect for the beaten track, and some of his advertisements are unique specimens of publicity. We have his word for it

Albert C. Zilliox has succeeded Zilliox & Schutrum, A. Witte, Suffern, has removed his jewelry store and

residence to the opposite side of Lafayette Avenue.

Ohio.

Edward L. Feyler, Portsmouth, died last month of stomach trouble. The deceased had been in Portsmouth since 1880, and was very successful in business. He was noted for his integrity and highly esteemed,

Boyle Bron, Lindshorg, have purchased a new store in the same block as their old store and are now occupying it. watches to Wm. Dever, of Flat, this State. The watches were for presentation to Mr. Dever's seventeen grand-

J. E. Richards, McMinnville, has moved into new rters in the Handley building.

J. A. Maurer, late of Scattle, Wash., has purchased the jewelry and watchmaking business of W. L. Coppernoll, Eugene, this State.

J. E. Roys, Bloomsburgh, has purchased from Geo. W. Hess his stock of photographic cameras and photographic

J. Kilgour has bought out the jewelry business and stock of J. B. Cross, Bradford, and will continue at the

The bankrupt stock of L. W. Booth, Watertown, was purchased from the assignee, F. P. Armbuster, by John H. Raven, jeweler's auctioneer, who closed out the entire stock and fixtures at auction.

Fred. Goosmann, Somerville, who with his wife left about three months ago for a trip to Europe, has returned. They visited Germany, Holland and France, including the

R. D. Heatly has succeeded to the business of Heatly & Prewitt, Gatesville

Geo. W. Hickok & Co., of El Paso, have been succreded by W. T. Hixson & Co.

Edwin Barefield, of Jefferson, has a rare horological genius, and delights in doing difficult and complicated repair work. Among his curios is an old English patent lever, thin model, which he converted into a modern watch by taking out the fusee wheel and barrel and putting in a going barrel and stem-winding pendant attachment with level setting, all made on his own lathe. The watch is a perfect time-keeper. He also succeeded in making new pieces for a chronograph to replace those thrown away by an incompetent who thought the watch did not require so many pieces. 'The new parts were turned out on his own lathe,

and are perfect in every respect. R. D. Sanders, late of Bastrop, has bought out W. Timms, of Cleburne, and will continue the business at the

latter place. We wish him every success in his new venture.
W. C. Lamford, formerly of the Thomas Lawrence Jewelry Co., will open up a first-class jewelry store in Cle-burne, under the name of Cleveland Jewelry Go. Mr. Lansford is a young man and skilled mechanic. He has lots of friends and every promise of success.

M. Miesch, of the Lawrence Jewelry Co., Chburne, will visit New York for the purpose of purchasing Fall

N. Highfield, of Newport News, having concluded his saction, is advertising the remainder of his stock at private sale.

J. R. Sprague, Newport News, has been appointed watch impector for the Chesapeake and Ohio Railway at Newport News. Notwithstanding that this is the largest terminal in the South, the C. and O. has never heretofore had an inspectorship at Newport News,

Wm. M. Overton, of Elizabeth City, has located in

Capt. Z. K. Straight, of Walla Walla, was recently elected president of the Northwest Sportsmen's Association. The seventeenth annual tournament of the association will occur at Walla Walla in June, 1901.

A local journal of Waitsburg, this State, pays a merited tribute to J. B. Caldwell, the enterprising and successful jeweler of that city. Mr. Caldwell settled in Waitsburg in preserved that city. Str. Canavert settlest in waitsforg in 1880 and went into the jewelly business during 1886, the firm name being Caldwell & Thorn. During the Spanish-American war Mr. Caldwall went to the Philippine Islands as second-lieutenant of the company sent from Waitsburg and during his absence his partner, Mr. Thorn, died. Upon Mr. Caldwell's return he purchased Mr. Thorn's interest and the name was changed to J. B. Caldwell,

E. D. Carter, Laria.er, has been appointed inspector of watches for the western division of the Union Pacific

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1 Day Clocks

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Kansas City and the Great Southwest.

The retail jewelers are much pleased over the result of their sales during the convention week last month and all report a large sale of their convention-hall souvenir spoons, and say they are ready to subscribe liberally for a

The large retail and jobbing houses have signed an agreement to close Saturday afternoons during the warm months of July and August. Those not agreeing to this proposition are allowing their employees an hour off of each day, closing at five o'clock, and this arrangement seems to be equally satisfactory with a number of the

Will. Schumann, of J. A. Norton & Son's force, returned from his vacation during the month, which was spent at "Fairmount," enjoying all of the privileges which this cool and healthy suburb offers.

The stock of W. M. Wooland, of Olatha, Kans., was recently placed in the hands of the sheriff, the disposition of which will be announced later. The local jobbers are more or less interested in the failure. Gurney & Ware, the Walnut Street jewelers, report

an excellent trade during the past few months, which are supposed to be dull season with the jewelers. D. P. Hallar, with Jaccard Jewelry Co., has been quite ill with typhoid fever. His brother, A. P. Hallar,

with Cady & Olmstead, the pioneer jewelers, was also ill several weeks with the same fever, but is again at his desk. 1 R Mercer, the Eleventh Street leweler, renowned

for his fine window displays and the manner in which he combines nature's loyliest productions (flowers) to display his fine novelties, again did himself proud during the National Democratic Convention week, using the American flag in profusion, making very handsome and attractive windows. One window contained a "loving cup" with a silver wish-bone attached to one handle, which bore the inscription, "We Wish You Well." Mr. Mercer was recently appointed watch inspector for the Santa Fe Railroad, and as it was given unsolicited, he is much pleased, and the prospects are good for other appointments in this line in the near future

Jeweler E. H. Tipton, Ottawa, Kans., has engaged in the Belgian hare business quite extensively. He is also

Arthur Clark, for many years in the material depart ment of J. A. Norton & Son, is now in the employ of L. Rauman Jewelry Co., St. Louis, Mo. Arthur is a bright young man, applying himself closely to his duties, and his ds here wish him success in his new position.

F. Melluish, of Ottawa, Kans., has a very handsom and attractive optical par'or in connection with his jewelry business, and is rapidly making quite a local reputation as

J. W. Hishop, of Gower, Mo., recently opened a new

jewelry store at St. Joseph, Mo.
Arthur Kahn stopped over in the city recently on his way to Silver City, N. M., where he went in the interest of the Azure Mining Co.'s properties.

A. Stromple, well known among the spectacle fra-ternity, died last month in this city.

J. R. Mercer and wife left during the month for the Thousand Islands, where they will visit Mr. Mercer's brother, who has an elegant summer cottage at that point. Mr. Mercer will make a trip to New York before return ing home, about the middle of September, to give his per sonal attention to his import novelties, which are expected at the customs house about that time.

Woodstock, Hoefer & Co, have made a number of changes in the arrangement of their office recently. This firm had many visitors and buyers during the National vention, and it is conceded now by everybody here that as an entertainer of Democrats C. C. Hoefer is with

E. B. Meyer, of Memphis. Tenn., visited his brother,

 Meyer, during the National Democratic Convention.
 Pete McMahon, formerly with the Edwards & Sloane lewelry Co., but now of Rockford, Ill., was in the city

F. J. Nevin, in charge of the material department of the Meyer Jewelry Co., was somewhat disabled during the last month with a sore foot, and found it necessary to use

Geo. Edwards, of the Edwards & Sloane Jewelry Co., has gone to Colorado points to spend the heated term.

Mr. Edwards was accompanied by his family.

Harry B. Carswell, who for a number of years was in charge of the watch department at the Jaccard Jewelry Co.'s store, but who is now conducting a retail jewelry business of his own at tot5 Walnut Street, has recently designed and made a unique as well as handsome cup out of a Spanish shell that was fired at the American flag at the battle of Santiago de Cuba. The cup was made at the request of the former members of Company E, of the Third Missouri Infantry, U. S. V., which was mustered out of service at the end of our war with Spain. Mr. Carswell saw service in the Spanish-American war as a member of this company and this cup was presented to his old comrades for the purpose of having made a handsome souvenir, which was presented to our City Fire Department July 17. Company E, of the Third Regiment, has always seen in special favor with our fire department and it is for this reason that the boys desired to present the chief and his boys with some trophy of their high regard. It is cerery beautiful: the base upon which it stands being made of Missouri onyx and supported by three bronze columns, and on the face of the shell a silver plate bearing an appropriate inscription, with the offical roster of Com pany E, of the Third Missouri Infantry, U. S. V.; and accompanying it was also a handsome case with a silver plate across the upper casement, giving the names of the chief and assistant chiefs, to whom it was formally presented, and specifying that it included the whole force in sented, and specifying that it included the whole force in general, but only giving the names of the chiefs. Mr. Carswell still retains the position and title of principal musician with the Third Regiment Band, and is a very enthusiastic member, taking great interest, too, in the original Company E, of the regiment

The C. L. Merry Optical Co. have a new bookkeeper, C. T. Merry, father of C. L. Merry, who has acted in this capacity since the office was established, retiring, taking a less active part in the business of the firm, owing to his

Edith Norton, daughter of C. B. Norton, is home from a vacation of several weeks spent at Excelsior Springs.

E. G. Alber, the Grand Avenue leweler, returned recently from a trip to Excelsior Springs, where he went to recuperate after a very busy and satisfactory year of

Frank Tyree, formerly bookkeeper with J. A. Norton & Son, has resigned his position and entered the employ of the Swift Packing Co.

N. A. Heath, Jr., the young and progressive jeweler. of Hebron, Nebr., spent convention week in the city, and judging from the difficulty he had to leave, think it is very able that he will pay Kansas City another visit in the

H. E. Leasure, of Harrisonville, Mo., was burned out ently, losing almost everything, which we much regret to learn, but home he will soon he able to resume business at the "old stand."

T. S. Lidstone, of Darborn, Mo, and two friends stopped over on their way to the Paris Exposition, and will return by way of England and stop at Prince Edward Island, Canada, the old home of Mr. Lidstone.

Felix Fricke, bookkeeper for Meyer Jewelry Co., is passing the cigars among his friends, on the advent of a

A. Mandelberg, the well known jeweler, of Omaha, Nebr., was in the city recently looking around. Fred. Eyssell, of Eyssell & Hickman, Union Avenue.

who is now in Europe, reports having a very fine time, and that he expects to remain about four months longer, S. R. Abney, 1203 Grand Avenue, has recently been

remodeling his store, and it now presents a very attractive appearance. It is evident that business is constantly on increase with Mr. Abney. C. H. Morrison, of Topeka, Kans., who has been in

poor health for some time past, has gone to the Pacific Coast, leaving his brother, S. M. Morrison, in charge of the ess. THE KEYSTONE and Mr. Morrison's many friends hope to hear of his rapid improvement at an early

J. C. Huteson formerly one of F. A. Hardy & Co.'s "knights of the grip," but now located in Omaha, Nebr., in business for himself, spent several days in the city during the National Democratic Convention last month, renewing old acquaintances. Jim's many friends fail to see any change in him.

Mrs. Hoffman and Ida, wife and daughter of L. Hoff-

man, of Leavenworth, Kans., have gone to Colorado Springs to spend the summer for the benefit of Mrs. Hoffman's health, which we understand is much improved since her arrival there.

Henry Paulson, manager for J. A. Norton & Son, recently returned from a business trip to Chicago.

Will. Mainhardt, with M. Truby, of Independence, Kans., was married during the month to Miss Mand Hensey, of this city. After the wedding ceremony they left for Excelsior Springs, where their honeymoon was spent, returning to Independence, Kana., their future home. THE KEY

STONE extends congratulations.

J. A. Selby, of Caney, Kans., was burned out during nth, but, as he was insured, the loss will not be

The silver case openers given out as souvenirs during vention week last month by the Edwards & Sloane Jewelry Co. proved a great hit among the visiting jewelers. It was a happy conception on the part of this firm and was

E. S. House, formerly watchmaker with D. D. Williams & Co., Emporia, Kana., resigned his position to go on the road for himself as traveling optician.

Visitors and buyers in this market during the Demo cratic National Convention and since were: Amos Plank, Hutchinson, Kans.; Sam. Friedberg, Topeka, Kans.; B. L. Buley, Monett, Mo.; S. C. Fragarcrans, Topeka, Kans.; Fred. Essig, Plattsburg, Mo.; Ira Stuttsman, Garden City, Mo.; S. M. Coffman, Braymer, Mo.; W. J. Bishop, Kensington, Kans.; E. S. Haines, Joplin, Mo.; W. S. Noble, Drexel, Mo.; Frank Mitchell, Marshall, Mo.; Mr. Meeker, of Fleming & Meeker, Chanute, Kans.; A. I., Liggitt, Slater, Mo.; C. A. Thomas, Norborne, Mo.; E. M. Pr tor, McLoath, Kans.; F. L. Withaup, Willow Springs, Mo.; L. Potts, Marceline, Mo.; F. W. Bartlett, Leavenworth, Kans.; Roy Smithers, of Smithers & Son, Cameron, Mo.; H. C. Schultz, Hays City, Kans.; T. S. Lidstone, Dearborn, Mo.; W. N. Kirkham, Wallace, Mo.; A. W. Pettit, Bonner Springs, Kans.; C. G. Morrison, Olathe, Kans.; J. M. Coffman, Polo, Mo.; H. A. Tibbals, Oskaloosa, Kans.; H. W. W. Starcke, Junction City, Kans.; W. C. Sellers, Medicine Lodge, Kans.; J. H. Hines, Stanberry, Mo.; "Billy" Sams, of Sams & Waddell, Clinton, Mo.; Mr. Dake and wife, of Dake, Ekengren & Dake, Olathe, Kans, I. M. Markell, Pleasant Hill, Mo.; J. E. Hathaway, Parkville, Mo.; J. S. Lang, Coffeyville, Kans.; M. F. Kohler, Parsons, Kans.; Dick Kolstad, Pleasant Hill, Mo.; D. L. Brown, Glasgow, Mo.; John Gruendeler, Sioux City, Iowa; I. B. Bryant, Pleasanton, Kans.; Frank Waddell, of Sams Waddell, Clinton, Mo.; Jim Hamlin, St. Joseph, Mo.; & Waddell, Cinton, alo.; Jim Hamiin, St. Joseph, sto.; John Fleckenstein, Sioux City, Iowa; E. W. Kearby, Rocky Ford, Colo.; A. J. Kibler, Wellsville, Kans.; Mr. Beasley and family, of Beasley Mer. Co., Rich Hill, Mo.; . Reese, Troy, Kans. ; J. W. Phillips and family, Chanute, Kans.; J. H. Kittridge and wife, of Chillicothe, Mo.; W. L. Howell, Albany, Mo.; R. C. Libbey, Weir City, Kans.; D. I. Freeze, Hippinsville, Mo.; E. S. Gregory, Gallatin, Mo.; E. A. Durflinger, Burrton, Kans.; W. Edmonds, North Toneka, Kans.; M. A. Lewis, Carbondale, Kans.; Theo. Burkhardt, Trenton, Mo.; F. H. Robertson, Blackwell, Okla, Ter. : Ambrose Melluish, Ottawa, Kans.; Henry Melluish, Garden City, Kans.; E. R. Matters Neosho, Mo.: Mr. Phillips, Neosho, Mo.; J. H. LeRoy Fairbury, Nebr.; F. W. Sellers, Wellington, Kans.; T. L. Baskett, Unionville, Mo.; J. A. Wilkinson, Denison, Texas, F. M. Dillon, Bouner Springs, Kans.; G. E. McCoy, Polo, Mo.; Horace Shadel, Rogers, Ark.; W. M. Wright, Eik City, Kans.; C. A. Wolf, Topeka, Kans.; Herman Sick, Wellington, Kans.; G. H. Gardner, Pittsburg, Kans.; O. C. Weilington, Kama, G. H. Garmer, Princourg, Anna, G. C. Zumsiel, Webb City, Mo., N. A. Heath, Hebron, Nebr.; Mr. Defoe, Tecumseh, Nebr.; J. B. Hampton, Colby, Kans.; W. H. Meyer, Lawson, Mo.; N. B. Jeter, Butler, Mo.; H. W. Nonamaker, Ellsworth, Kans.; H. K. Herbert, Eldorado, Kans.; J. M. Earp, Lamar, Mo.; C. H. Paxton, Keytesville, Mo.; A. F. Zimmerman, Warrensburg, Mo.; W. Fort, Stafford, Kans.; G. E. Young, Moberly, Mo.; D. G. Smith, Lincoln, Nebr.; J. A. Zimmerman, Warrensburg, Mo.; J. A. Barr, Logan, Iowa; E. L. McDowell, Arkansas City, Kans.; W. E. Crellin, Chillicothe, Mo.; M. C. Rosenfield, Leavenworth, Kans.; C. C. Stevenson, Pittsburg, Kans.; M. Kohish, Sumner, Iowa; W. E. Comer, Goodland, Kana; A. Z. Megede, of L. Megede Sons, Richmond, Mo.; I. N. Collins, Cherokee, Kana.; Harry Davis, Canon City, Colo.; Lesley White, Louisburg, Kans; G. E. Osborn, Thayer, Kana, T. W. Beach, Kearney, Mo., M. L. Gibson, Linnues, Mo., P. D. Bonebrake, Holton, Kans.; Chas. Mosbacher, Wichitz, Kans.

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Elgin Horological School Elgin, III., U. S. A.

Omaha and Vicinity,

The iewelers of Omaha and Nebraska in general are making preparations for the largest fall trade which has been experienced in years. During the middle of July wholesalers and retailers were looking a little "down in the mouth," because the prospec's were none of the brightest. A continued spell of dry weather began to make it look dubious for even a half crop, and as Nebraska is purely an agricultural State, a half crop means practical decimation of business interests. Shortly after July 13th, however, a glorious change came over the situation, and now smiles are to be seen where the frown of anxiety was becoming very prominent. Rain, "million-dollar rains," began to fall and day after day the moisture continued to press itself into the soil, until not only a half crop but the greatest crop on record is assured to the State. Three hundred millions of bushels is the estimate placed on the corn which will be produced, and even at the rate of 15 cents, yielded to the farmer, the amount of money the crop will pour into the private coffers of the State is enormou Hence, not only do the merchants expect a magnificent business, but they are preparing to increase even the egregious trade already in prospect. To accomplish this, every device which the ingenuity of the Western business man can conjure is being brought into being. County fairs, plans for which were delayed pending the crop pro prets, will be made far more attractive than heretofore Street fairs in the smaller towns are cropping out all through the State, while in the larger cities more preten tions undertakings than ever before inaugurated are being rapidly and enthusiastically prepared.

In Lincoln the jewelers are counting on heavy profits from the State Fair, the first which has been held there in over three years. Railroads have been importuned for low rates from all points in the State, exhibitors are hastening their devices to attract attention, local papers are being filled with matter concerning the "greatest show on earth," and the whole State is taking an interest in the affair.

In Omaha there is cause for rejoicing, over the ap-

proach of the annual festivities prepared by an order called the Kuights of Ak-Sar-Ben ("Nebraska" spelled backwards). This organization is composed of upwards of 1200 business men of the city, who subscribe to an annual fund with which to construct floats representing, usually, mythical subjects and lighted by myriads of incandescent lamps, the power for which is obtained from the trolley wires used by the street motors. These parades, which occur nightly during one week in September, have been pronounced time and again as far more resplendent than the Marili Gras exhibitions of New Orleans, though the Onaha festivities are not widely advertised. Hitherto, \$50,000 have been spent annually in finals, with from \$15,000 to \$20,000 additional for the grand ball which closes the festival season. This year, it is said, the amount expended will reach close to \$100,000 and the parades

will eclipse all previous representations.

Two hundred thousand visitors have annually been attracted to the city by these festivities, and as they will be more widely advertised this year it is expected the crowd attending will be something enormous. The jewelers are preparing themselves for these crowds by endless quantities of unique souvenirs and will do a thriving trade.

Besides this matter of entertaining out-of-town people, the Omaha wholesalers are making frequent trips in a body to interior towns, becoming acquainted with the new trade and working up old customers to the point of replenishing their stocks. In this way they are bringing much trade to the city that would go elsewhere.

Another indication of prosperity for the jewelers is in

the tendency shows on the part of firms or companies from other points to locate establishments in this city. During one week in July the accessions to the business interests of Omaha consisted of one wholesale dry goods house and clothing factory, which, as soon as its new building is com-pleted, will employ upwards of 200 hands; a tannery, which will quickly grow into magnitudinous proportions, owing to the fact that the hides are obtainable in this city from the great packing houses located here; a hat and cap factory and wholesale house; a glove and mitten factory, and a boot and shoe factory, which, when construction work planned shall have been completed, will employ 200

Further than this, building construction is resuming since the reduction in prices, and architects are now busy completing plans for over \$2,000,000 worth of residence and small business blocks, construction of which has been

in abeyance for more than a year, owing to prevailing prohibitive prices for materials.

With all these matters before them, Omaha and Nebrasks jewelers are rubbing their hands in gice at the profits which will roll in on them this fall. In the meantime they do not complain of present business, saying it is above the average summer trade.

Soren Jonases, the proneer j.weler of Omaha, has sold out his stock and with his son has started for Cape None, Alaska, where he will again enter the lewelry bus ness, doing a little "prospecting" on the side. Mr. Jonasen had a valuable stock, but it was in old-style ware and not readily salable. For this reason he has been doing little over paying expenses the past year or two and emcluded to sell his stock at a lump price and start elsewhere with a new stock. A local department store bought what was left after the daily auctions were concluded.

A. Mandelberg, a Farnam Street retail jaweler, went iring July to Kansas City, Buffalo and New York City to learn if he could gain wealth more readily by locating a first-class jewelry store in one of those cities. He come back to Omaha more than ever satisfied that this is "the

P. E. Flodman, of P. F. Flodman & Co., local retail elers, is taking his first vacation in twelve years. He

is fishing in the Wisconsin lakes.

A. F. Smith, president of the Reichenberg Smith Co., wholesalers, at Omaha, made a trip through Nebraska dur-ing July and found that business needed little, if any, s, especially since the recent rains.

J. G. Best, a jeweler, of Hartington, Nebr., has been honored with an election to membership in the school board. He was in Omaha recently as a buyer.

W. S. Collette, a jeweler of Bancroft, Nebr., was one of the alternate delegates from Nebraska to the Democratic National Convention, at Kansas City. He looked over stocks there but returned to Omaha to buy, which Omaha merchants look upon as another feather in their caps.

H. E. Danning, of Fremont, Nebr., a retail jeweler, attended the initiation ceremonies of the Knights of Ak-Sar-Ben, at O-naha, the latter part of July and became so enthused that he intends to bring a large delegation to the

Louis Reichenberg, of the Reichenberg-Smith Co., of Omaha, has returned from a two-weeks' visit to New York and other Eastern points. W. H. Mulhaupt, salesman for this company, has started on the Southern, and R. R. Marsh

L. T. McHugh, of Blanchard, Iowa, was a recent

S. W. Lindsay, a Douglas Street retail jeweler, with his family, has gone to the Minnesona lakes for a summer

Mr. Borsheim, of the firm of Brown & Borsheim, has gone to the Wisconsin lakes to lure the finny tribe to his net. Mr. Lawson, watchmaker for T. L. Cson.bs & Co., Douglas Street retail jewelers, has gone to Manitou for his

mer's outing. C. L. Shook, of C. L. Shook & Co., of Omaha, while at Lincoln the latter part of the month, was stricken with a temporary illness, but has returned home and is able to pursue his business.

Henry Larsen, of Beresford, S. Dak., is taking a

course at the Onaha Watch Repairing and Engraving Carl Stroehler, of Stanton, Nebr., who, besides being a

jeweler of prominence, is agent for a gasoline motor cor cern, was an Omaha buyer the latter part of July.

The Reichenberg Smith Co., wholesalers at Omaha,

has put in a glass-cutting plant and will turn out some handsome original designs in cut glassware. Alfred Brodegaand, a brother of Fred. Brodegaard, the Tenth Street retail jeweler, who is in Wyoning for his health, likes it so well that he is now looking up oil claims

with the expectation of remaining in Wyoming.

Wadaworth & Archer, retail jewelers, at Beatrice,
Nebr., are making extensive alterations to their store and

Lieutenant Wadsworth, a son of the head of the firm of Wailsworth & Archer, Beatrice, Nebr., has returned from San Francisco to his home. While in the Philippines, Lieutenant Wadsworth was shot twice in the foot and was invalided home. He was compelled to remain four months in the hospital at the Presidio, San Francisco, and but recently became sufficiently convalescent to return home.

Joseph Frenzer, a North Fifteenth Street retail jeweler, is again having a remarkable sale in diamonds, of whic's

Pearl Hunting Along the Mississippi.

Pearls are being found along the Mississippi in increasing abundance, and few are aware of the extent and promise of this long-neglected industry. The following nteresting account of the industry was furnished to The man, of New York, who is a recognized authority on pre-

man, of New York, who is a recognized authority on pieces to stoses.

The industry of pearl hunting has been going on in these parts, or rather to the moth of here, for over ten years, asys Mr. Crossman, but only recently has it developed to its present magnitude. Eastern honess are lawing the paris from every city and town along the river and have which it so common in these parts, is comparatively unknown in the East, and many of the hig jewelry houses don't know what a sing looks like, but it will not be long until those sings will be used in the making of cleap and the sings of t

Four Phenomenal Auction Sales.

Jewelers' Auctioneer Sam Martin Performs Magic Feats with his Talismanic Hammer

Elbert Hubbard, in expatiating on the grit and thor-oughness of the intropid Rowan, who delivered McKinley's famous "message to Garcia," exclaimed in his enthusias "By the eternal, there's a man!" Many a jeweler who

at a big profit and

"movable" stock at a bigger, felt like exclaiming with like enthusiasm "By the eternal, there's an auction-cer!" Among the firms whom he made happy in recent months were Russell Bros,



Sim Marin.

Ya: and A. II.

Richards, El Paso,

Collar Buttons

in Sales



One Million Five Hundred **Thousand Krementz One-Piece Collar Buttons** made and sold within the last year.

Because of their HIGHEST QUAL-ITY, BEST CONSTRUCTION, GIVING THE MOST WEAR AND GREATEST COMFORT, and their IRON-CLAD GUARANTEE.

To verify this we invite the trade to read "The Story of a Collar Button, with Illustrations," which may be had FREE for the askingand to try the experiment suggested on page 5 of that

Extract from "Printers' Ink," Nov. 23, 1898.

Should you wish to utilize this booklet to increase your collar button business, we will, on receipt of your order, print your card upon and send you a quan-tity of them.

Krementz One-Piece Collar Buttons are stamped as follows, ON BACKS:









Patent sustained by United States Supreme Court

Quality and Construction have made our reputation.

KREMENTZ & CO.

49 Chestnut Street,

NEWARK, N. J.

PARKS BROS. & ROGERS. 20 Maiden Lane, New York. iling Agents to Jobbing Trade.

HOLIDAY SEASON 1900

Our New Illustrated Catalogue 275 Pages

SHOWING OUR

Latest Designs

Ebony Goods Toilet Sets Sterling Silver Novelties Ormolu Gold-Plated Clocks

Hollowware

Flatware



QUADRUPLE SILVER-PLATED MOUNTINGS. Made in Teapot, Sugar and Cream. Assorted De-

In getting out our new line this season, we have given special attention to articles suitable to the Jewelry Trade.

Our line of Hollow and Flatware will be found second to none, both as to variety of design and quality of finish and plate. Our new building for the manufacturing of Ormolu Gold-Plated Clocks is complete, and we are in position to fill orders on our large line of these articles promptly.

M. S. BENEDICT MFG. Co.

too-III Wabash Avenue. CHICAGO, ILL.

400 Broadway, NEW YORK CITY.

Factory, EAST SYRACUSE, N. Y.

Workshop Notes.

"Mica."—How it mica mined and perpared for morbed !—Mica is a natural product formed in granile and schist rocks. There is no preparation necessary, except to cut it into square or oblong-shaped pieces to silord the greatest possible surface to the sheets as they are split apart into flakes. Mica is not a hard substance and can readily be cut with a steel saw. The wate, that is, the parts cut away, are sometimes ground into a fine powder and used as a foreproof pain.

"Colored Globes,"—In your May issue you describe an electrical display for show windows. New I want to color long plots and you say we Floren. I count find the word in any dictionary. Please tell us comething about the—Platon is a proprietory stain put u pin bottles for various purposes. The globes can be dipped in it or the sain can be breshed over the globes. Floren can be obtained of the paint supply houses. There are other stains which you can use. See our repty to "Red Hands," in

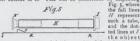
methif—11 is found in freguesinite, euclasyte and a tew other rare minerals found—pensylvanist A—00, this con-tinent it has been found in Massachusetts and North Caro-lina, but not in Pennylynais to our knowledge. If What is its value and for what is it used I—11 is quoted in catalogues of are chemical at §5.50 gramme. We know of no useful application it has found in the arts. It is chiefly a chemical curiosity.

" Canada Balsam." - What is the best and quickest "Canada Balions".—What is the best and quickets way to dry Canada balions in countring bifoscal lenses t— The operation of drying Canada balsam is like all other substances which assume a thin or fluid state by the mixture of some volatile oil.—we must wait for the volatile oil or evaporate. Such evaporation can be accelerated by heating; but this operation is attended by the danger of forming air bubbles, as they are called, but really wapor bubbles. The better way seems to be to employ the barm which his hardened by gar, besting it. On cooling, the parts are joined as firmly as if the balsam dried by time.

"Hair Clippers" (alias Inquirer).—How can I grind a pair of barber's hair clippers —This is a question a good deal outside of the lewelly trade, but as a matter of general mechanical instruction, would say that such "outside jobs" iseldom pay a workman, unless he can fit up special facilities and get enough of that kind of work to do to make it an object. Barber's clippers are ground, as we may say, in two directions; that is, on the fast side and also in between the teth. In large concerns, where such clippers are made, the day of the continuity machine the continuity and between the tech thin orundamic machinery; and between the tech thin orundamic machinery.

"Hard Rubber."—How can I over tools and springs with rubber? I see traines covered with a thin, glassy conting of this substance and would very much the to bard inholes and the see that t

"Double Disli."—I with you would give me some practical way of connecting up a second-sri of hands in a regulater, so at to show hold local and railroad time. If have now too the sound to the sound to



"Rife Telecope." (1) Please inform me how to make a thirteep for a rife.—The best course to pursue is to buy one of the small actornatic telecopes to be found instrument can be had for a couple of dollars, and one could not buy the leases and combine them for this morey. These telescopes are provided with draw tubes, but these must be dispensed with for a rife telescope. Focus such a country of the country o

"Silver Flater,"—I/sw many Smee batteries will to
take to plate a dearn tee speece, and how long should I
sake to plate a dearn tee speece, and how long should I
sake it have tee much current I had one dearn tee speece
is all day, and the silver was a thin it bagied by with
rouge. Assumes to the obove, together with other points,
will be welcomed. This will depend on the size of the
hoten Smee battery is indefinite, the name used to be
the teen Smee battery is indefinite, the name used to be
restricted to a battery with a platenized silver points;
which acts as a substitute for the platinized silver point
size plates placed on each side of a central carbon plate,
which acts as a substitute for the platinized silver plate,
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shad carbon plate on the silver plate plate plate on the silver plate
when the silver plate of a central carbon plate,
which silver plate on the silver plate plate plate
should employ at least two cells, three would be better,
and these coupled is series. We are talking now of Smee
latteries, In regard to telling when you have too much
too much from Smee hatteries, the wastal roude is to get
enough. All electro-platers should have an ampere meter
to measure the electric current they employ, and regulate
it to the extent of surface being plated. It is not practi-

has one advantage, that is, it affords less "back lash" or shake in the teeth; but with modern gear wheels proposed the control of the contro

us the quantity of current passing through the wire a.

"Ours,"—I am making an electro-magned for an antide clock. How long do I must the helist K and from cere t, and size of disks N, est described and illustrated on page 776, dought, 1899, Krytime I intend to sur serving foot batteries.—If our correspondent will read over the article he refers to he will see that we do not recommend to the second of the



550 570 570 570 571 573

YOUR BUSINESS WILL BE BETTER



YOU SELL WHAT IS KNOWN TO BE THE HIGHEST GRADE IN QUALITY, STYLE AND MANUFACTURE There is no better way of knowing about our new Fail line than by looking it over in its entirely. This you can do whe you come to the National Encampment of the Grand Army of the Republic, which convenes in Chicago this year from August 25 to September 1, inclusive. If you cannot come to market on this Secasion, you will likely take advantage of the reduced rairroad rates to Chicago afforded by the meetings of the Merchants' and Travelers' Association during When we say "you" we meant that all wide-awake jeweker and in the news columns of this issue of THE KEYSTONE to say—call and see us. Our doors are always open, and you are always welcome. Make our office your headquarter while in Chicago, and do not forget our invitation.

JUERGENS & ANDERSEN CO.

DIAMOND IMPORTERS AND MAKERS OF FINE JEWELRY

STEWART BUILDING CHICAGO

NEW BLOOD

A BUSINESS as well as a MAN is measured by the HEART BEATS

Let us put you on Our list for Trade Winners and Advertisers Out August 15th. Costs you nothing.

We are keeping the HEART BEATS of our Business fresh and vigorous with Young Blood.

We have the LINE and
We have the MEN

Elgin and Waltham Watches, Diamonds, Watches, Clocks, Silverware, Cut Glass, Tools, Material, and in fact Everything and anything needed by Jewelers,

All we need is your order to prove Our Efficiency.



READY FOR A RUN

We are **Always Ready** for a **Run** on Goods that **Move**.

Our Selections Increase Your Sales, and Always Look Tasty and Attractive.

Send us your orders for anything and everything, and watch results.

Established 1873

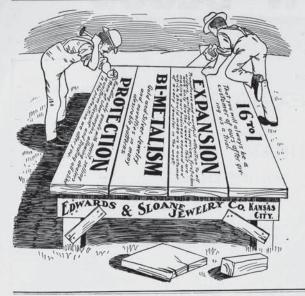
A postal card will bring you Trade Winners and Advertisers Out August 15 1900

Norton-Paulson Jewelry Co., Incorporated,

J. A. Norton & Son

Kansas City, Mo.

A Kansas City Platform



At Wholesale

Watches Jewelry Material

Manufacturing

Edwards & Sloane Jewelry Co.

> 610-618 Keith and Perry Building Kansas City, Mo.

We will send a Private Detective after every Jeweler who does not send for Catalogue and make from 50 to 100% profit selling our goods. Write P. D. Q. to NORTHWESTERN STAMP WORKS,

IIO E. 3d St., ST. PAUL, MINN.

Rose Diamonds Pearls Turquoise Carnets

MAX R. GREEN & CO.

Precious Me Imitation Stones 301 Masonic Temple, CHICAGO

Onyx

OMEGA WATCHES

NONE BETTER MADE =

OVER 1,000,000 IN USE



The O Size, 7 and 15 lewel Omega: fitted in Silver, Gold Filled and Solid Gold Cases; both Open-Face and ng, are SOME of the good sellers of this make.

Send for Price-List.

Good sellers every day in the year.

The Leading Jewelers sell the Omega-why?

The Omega are sold only to the legitimate trade. Prices are not advertised in any journal.

Omegas are made in O, 12 and 16 size, are pendant set, fit American cases and are of 6 grades, as follows:

Jeweis, Expansion Balance, Double Roller, Nickelined, Jeweis, Expansion Balance, Double Roller, Nickelined, Jeweis, Expansion Balance, Bouble Roller, Nickel, Pat. Reg. Jeweis, Expansion Balance, Double Roller, Nickel, Pat. Reg., adjusted. Jeweis, Expansion Balance, Double Roller, Nickel, adjusted to 5 position Jeweis, Expansion Balance, Double Roller, Nickel, adjusted to 5 position

WARRANTED FINE TIMEPIECES.

ALL PARTS INTERCHANGEABLE.

ABOVE MADE TO ORDER WITH DEALER'S NAME IF DESIRED.

EDMOND E. ROBERT, 3 Maiden Lane, New York, CROSS & BEGUELIN, 17 Maiden Lane, New York,

Selling Agents.

Dallas and the Lone Star State.

June, the prari month, has come and gone, and it did not throw many pearls at us in this section, either. It was a quiet month taken all the way through. The farmer simply would not leave his crops to come in to trade. Such crops as he has this year puts on him double the amount of work. Then a great many people have left town for va-cations and summer trips. The last month, too, was an exceedingly hot one, and kept the people in-doors waiting for cooler and pleasanter weather. The merchants are all feeling good though, for they know it will come later. All crops are now assured except the cotton. Recent rains ensure a full corn crop. The Texas farmer has lots of money this year, for he is better fixed on stock than ever before and prices are good. He sells horses and mules for the war, as well as hogs, cattle and sheep to feed the soldiers. Buyers for war stock and provisions are through the country all the time. So everything is for sale and a sale for ever thing. This year the farmer looks forward to the best crops and best market he has had for years.

M. J. Meyer, representing The Keystone Watch Case Co., Philadelphia, Pa., visited the trade in this city recently. He met with a welcome reception, and a hearty call-again invitation was extended by all.

The Auditorium Committee reports everything moving along finely and subscriptions coming in in good amounts. The buttons for this enterprise, which were put on the market at one dollar each, have netted over \$40,000 already. We can begin to see a gleam of that \$250,000 auditorium that Dallax is sure to have in the near future. It will be

The wholesale jewelry stocks of Dallas are large and ensive. In fact, one of the most striking evidences of Dallas' progress is its growing importance as a wholesale jewelry market. A jeweler protection association is on foot and will be in fine running order by the "fair," in October. Shuttles Bros. & Lewis have gotten out and distributed

a handsome carriboard containing the photos, of the members of the firm, as well as their travelers. This was done as a precaution in a way, so as to differentiate between the two jobbing houses here of the same name.

The Southern Jeweler made its appearance on the 15th of July. It is a very creditable paper, and we feel rather

J. M. Mitchell, Fort Worth, was in the city last month cleaning up some of the flotsam and jetsam of the old Knepfley Jewelry Co. business. He has shipped the old sidewalk clock, an old land mark, which cost originally \$800, to Chas, S. Stifft, Little Rock, Ark.

Sam. Stewart, watchmaker for W. Samuels Loan Co., is taking a vacation with his family at Mineral Wells for a trade, and reports from him are very cratifying. couple of weeks.

Mr. Crompton, watchmaker for Jos. Linz & Bro., has gone to Toronto and Hamilton, Canada. It is a question whether Mr. Crompton will return to Texas or not,

Mrs. Chas. Harris, of W. S. Shuttles & Son, Inc., is visiting her parents at Wichita, Kan.

Tol. Camp, with A. Y. Morefield, Waco, Texas, for the past five years, has resigned that position and will start up for himself. He was buying tools and material in Dallas last week. Mr. Camp appreciates THE KEYSTONE

Harry Givens, of Shuttles Bros. & Lewis, fell off his wheel and broke his arm. Harry is all nerve and knows how to take a joke.

Ed. Weil, who began as a boy with Jos. Linz & Bro., and for the past few years has acted in the capacity of shipping clerk, has been assigned a "route" on the road, and hereafter will be a "knight of the grip." We are pleased to see Ed. so happy over his promotion, and we predict he will make a good showing. He is an easy mannered and plessant gentleman, and has the winning qualities in him. Besides, no better posted man in prices and lines goes

J. M. Chappel Optical Co. are putting in a fine large vault, and are busy at work getting out samples for four travelers who will be all out before the first.

Mr. Morgan, of Morgan & Hawley, is feeling of the trade pulse himself. He started out on the road for a few

Miss Jennie Marks, saleslady with Robt. C. Glover, is taking a vacation at Waco and Marlin Springs.

Mr. Wilson, manager Dallas Optical Co., arrived from one of his periodical trips through Texas and reports things more than good. Everybody is feeling happy, and, as he puts it, they have "ginger in them." The buying, he says, is not in half dozen but half gross lots.

C. B. Harris, of W. S. Shuttles & Son, Inc., quite escaped what might have proved a serious mishap. He was ting on a high stool with his feet twisted in the stool, when in some way, in leaning back, his hold became ened and he fell backward with great force, striking his head against the safe door. Ouite a cut on the head was the result. He was rendered insensible by the fall and was taken home in a comatose condition. He is now out of danger and nothing serious is apprehended.

THE KEYSTONE

M. A. Kelly, watchmaker for Arthur Everts, likes to take THE KEYSTONE home and peruse its bright pages at Albany, this State,

when all is quiet,
J. M. Butcher, Hillsboro; J. M. Grogan, of Arlington; S. J. Berrier, Midlothian; Jeweler Newton, Waxahnchie; and D. Goodin, McKinney, were among the Texas jewelers lately here securing supplies.

W. A. Peck, of Peck & Garring, D.nnison, Texas, is

chasing material for his large run of bench work. Mr. Williams, of Wills Point, Texas, was sojourning

T. B. Bond, Hillaboro, Texas, has engaged the services

T. D. Robertson will start for Chicago about August

F. E. Chase, traveler for Morgan & Hawley, started

the ball. He was the first one out of Dalias for the fall

sympathy of all in the loss of a child. He has had con derable sickness in the family, and this blow falls heavily

around the State and trying to regain his health for the last two years, got so low that he had to be sent home. The

jewelers of Dallas, to a man, came to the front and paid his way home to Canton, Ohio. They also took good care of

him through his illness, before he was able to make the trip. Mr. Smith's health was so poor he was unable to

work more than half the time, which accounts for his final

cial condition. We are in hopes of his recovery, but it is

Mr. Walter, of Walter Hafner Jewelry Co., at

Mr. B. Huyer, formerly optician for Mr. Bond, at Hillsboro, Texas, has purchased an interest in the Walter Hainer Jewelry Co., at that place.

The Dallas Optical Co., Dallas, Texas, is working overtime to keep up with orders. This is a good indication

The Texas Optical Co., of Houston, Texas, have nur-

Mr. Ferrell, optician with Arthur Everts, Dallas, Texas,

Archibald Hotchkiss & Co., have moved their quarters

as to what may be expected later. They have also put in

a large double-decker plate-glass show case and counter

chased a complete retail prescription grinding outfit, and will hereafter do their own perscription work.

from the rear to the front office on the same floor. Archi-

bald Hotchkiss took the road last week, and reports everything in the best of shape. Taking large orders is an easy

was recently confined to the house by illness.

C. E. Smith, watchmaker, who has been working

10th, to buy goods to fill up the gaps in his stock.

Houston, Texas, was in Dallas last month, Thos. Flaig, jeweler at Greenville, Texas, has the

Hillsboro, Texas, is visiting in Alabama.

on him.

doubtful.

Dallas has a street railway strike on. Now let us get of Mr. Anderson, who is a thorough and up-to-date optician, at it at once and get the arbitration committee to sit and fix it up as it should be.

Simon Linz is on the sick list.

At fair time, our Jewelers' Protective Association is going to give a banquet to the jewelers, and we will have a gathering of as fine men as you care to see.

M. Miesch, Jr., of Lawrence Jewelry Co., at Cleburne, Texas, called in Dallas last month. He was on his way to

W. S. Shuttles & Son, Inc., have all their four travelers

on the road. This house enjoys the utmost confidence

H. B. Beaty, Plano, Texas, has been purchasing goods

H. L. Prichrad, of Ferris, Texas, is visiting relatives

Will. Suttles, of Shuttles Bros. & Lewis, arrived home

t month from his purchasing trip to New York.

Miss Maymie Boggess, of Ennis, Texas, is visiting

I., M. Frank, with S. Valver & Co., New York, drop

ped in to see us. Mr. Frank is an old acquaintance of ours,

from St. Joe, Mo. He reports, "It's bot and dusty, but

Mr. and Mrs. Deitrick, of Mt. Pleasant, Texas. Mr. D. is in luck to have such entertaining people at his home.

of their patrons, whose dealings with them are always satis-

New York in the interests of his firm.

Always say and do something that will please and imress your customers with you. It will make him think of you when he again wants something in your line.

Dallas is going to show a dry goods market as well as a jewelry market. Two new enterprises are on the tapis. One, indeed, is already here.

"Happy to Renew."

PLACERVILLE, CAL., June 30, 1900. I am happy to renew my subscription to THE KEY-STONE and do not consider anyone who does not take it an

aker,
Yours very cordially,
H. E. HARDY.

Statement of Financial Condition.

It is desirable that every jeweler should compile a strictly truthful statement of his financial condition for the use of those from whom he asks credit. As a sample of such a statement we reproduce the following sent by a retail firm to a jobber:

ment of financial condition of - & -H. F. Cohn, manager for the Texas Optical Co., at June 15, 1900: Merchandise in stock, . Book accounts, notes (cash lar proof safe, watch-maker's tools and material, cash register, etc., \$5713.26 Personal property, 5500.00 Total assets, \$11,213.26 LIABILITIES. 487.83

> The following letter, which accompanied the state-ment, is suggestive of the candor, mutual confidence and friendly business relation that should exist between whole

GENTLEMEN:—We take pleasure in sending you the enclosed statement, mainly because you have been kind enough during the past few years to take nothing more tanguist from us, as a basis of credit, than our "promise to pay"; and now since we have this more practical show-ing to offer, we do not forget your confidence in us in the

Your friends.

When writing to advertisers, kindly mention The Keystone.





AUGUST, 1900

WESTERN BUREAU OF THE KEYSTONE,

Cutcago, July 25, 2000

We have entered on the last half of The State of Trade the year with a prospect of a fall trade that will equal, if not surpass, the record-breaking fall season of '99. It is a little too early to predict with complete assurance, as the harvest through out the Northwest will not be completed for four or five weeks to come, and meanwhile there may be some changes of conditions that will largely affect trade. In the Southwest and West things are different. In the first-named section the harvest is now over and the quality and quantity of the whest crop leave nothing to be desired. The latest reshing returns from Kansas, Oklahoma and Nebraska indicate the finest quality of wheat. The reports from Missouri, Iowa, Colorado and Wyoming, which we give elsewhere in this letter, are equally encouraging with those from Kansas, Nebraska and Oklahoma. We are glad to note that the copious and general rains of the past three weeks throughout the Northwest have changed the aspect

of affairs entirely in that section and the reports now com ing in are as cheerful as they were despondent a month ago. The farmers were then almost afflicted with a panic, the country dealers were all at sea as to what they should do as to fall purchases and the lobbers in the cities were occupied listening to "hard-luck" reports which reached them from the country. While it was said that no amount of rain could save the wheat crop, this has hap-pily proven a mistake, and from one-half to two-thirds of a crop is predicted for Minnesota and the Dakotas, while the increase in price for all farm products makes the yield amount to about as much financially as last year's splendid crop. The Northwestern stockmen were in the dumps over fodder, but the rain has given new life to the pastur which will enable a cut of short grass vet to be made, and thousands of scres of folder corn have been planted, so that live stock will not have to be sacrificed, as it was feared. Business is again good in the drouth country and there is every indication that it will continue so right along through the fall and winter. Here in Chicaco vacation are being enjoyed by housemen as well as traveling sales-men, and the usual lull due to the season has prevailed until the past week. A large number of traveling repre-sentatives started out on the road from the 15th to the 20th inst., and they are already being heard from pretty freely. It is now said that jobbers' sales will exceed those of las July. Collections are fully up to expectation and to the

Kansay has just finished harvesting Great Crops in the largest wheat crop in her history, estimates by crop experts, ranging from So million to 100 million bushels.

average of past seasons.

CLARKE HELME LOOMIS, Chicago

The farmers expect to get 60 million dollars for this crop, or only 20 millions less than the entire amount of agricul tural products of the State sold for four years ago. The State corn crop is as yet an unknown quantity. It was ught three weeks ago there would be a total failure of this eron, but conjous rains have fallen in the corn belt,

and it is now estimated that there will be one-third to onehalf of a normal crop, or from 100 million to 150 million bushels. There were 27 million bushels of wheat raised in Kansas in 1896, which sold for \$12,251,193. The entire 171,328,077 bushels, or less than twice the amount of the present crop. The total valuation of the live stock owned in Kansas in 1896 was \$73,565,900, while the live stock of the State is this year about \$163,059,072. The total valuation of all crops raised in 1896 was So million dollars, while this year it is expected to be \$175,600,000. These conditions make prosperity general throughout Kansas this year. There has been no total failure of crops in the last four years. The farmers have paid their debts and a majority now have substantial bank accounts. The outlook for fall trade in this State is certainly bright.

General business conditions are good dented in in Wyoming, according to late reports, Wyoming in fact never were better. The people of that State are enjoying what they

call "unprecedented" prosperity. The population of the State has increased over 50 per cent, since 1890. The crop conditions are fair. All portions of the State were ed with a heavy growth of grass in the early summer, but a drought, which is now on over some portions, has dried the grass up much earlier than usual. Crops of small grain in most portions are excellent, while in a few sections grain in most portions are exceient, while in a rew sections they will fall short of the average. About 3 500,000 head of sheep have just been shorn. The clips, aggregating 26,000,000 pounds, place this State in the lead as a woolproducing section. A goodly portion of this vast amount of wool is stored in local warehouses, and is held for an advance in prices. The growth of the cattle business during the past four years has been second only to that of sheep and wool, and Wyoming now has almost as many cattle as during the palmy days of the range business in 1886. Few of the large herds of those days remain, the holdings now being divided up in small bunches and confined in pastures. Upwards of coo laborers are employed on railroad construction work in this State. The Burlington is building two lines across the State, the Colorado & Southern one line, and the Union Pacific is shortening its road through Wyoming. Money is plentiful, and laborers for haying, railroads, mills Money is prema-an and the shops are scarce.

Traffic with the Alaskan gold company and the Com

Pacific Northwest the Hawaiian Islands, and the Orient has made markets for products and

stimulated trade in all lines in the business man who is making a general trip through that country. Washington is enjoying a season of substantial prosperity in all lines of industry, after a dull period following the collapse of the boom of 1892. Crops are good all over the State, and farmers have paid off mortgages and now have more money than ever before. This is caused by the lig wheat crop at high prices in 1897, and the partial recovery in business due to the Klondike gold dis the same year. Wheat, lumber, coal and fish, the four principal products of the State, will reach \$40,000,000 this year, against \$20,000,000 in 1806. This year's wheat crop will reach 30,000,000 bushels, at 40 cents in the field, or 55 cents at the seaboard, against 11,000,000 bushels at about the same price four years ago. A much larger percentage of wheat now goes abroad as flour, many new mills have been established. Lumber and shingles, including manufactured lumber, will reach \$14,000,000, against \$5,000,000 in 1896. The coal output is 2,500,000 tons, more than 500,000 tons greater than in 1896, and many new mines are being opened up. The fisheries output is more than \$7,000,000, including canned salmon, fresh frozen fish, oysters and clams, against \$3,000,000 four years ugo. The gold and copper products will be \$2,000,000; four times greater than four years ago.

About this time last month a good

Northwestern Crop many doleful reports were emanating Conditions from the Northwest because the wheat crop, as well as every other crop, was

burning up from drought. The later reports from this section since the fine and general July rains, are that the first reports of crop damage were greatly exaggerated. An expert who has been over Minnesota and the two Dokotas gives his opinion that the yield of wheat in these States will yield at the very least 135,000,000 bushels. Last year the yield was 250,000,000. If favorable weather comes in the next few weeks the yield will reach 150,000,000. The difference in price between wheat last year and this will almost make up the loss in yield. It must be remembered that the crop last year was far above the average, and that it brought an unexampled prosperity to the Northwes

Between the yield and the price this year promises to be still a good average. A returning traveler who has cov-ered Northern Minnesota and North Dakota thus gives the situation: "The recent rains in North Dakota and Northand the feeling everywhere is very much better than I had any idea it would be. Late crops will show a large yield in all northwestern sections, and wheat will show a much better yield than was at first expected. I learned that most of the farmers are in comfortable circumstances all through that section, while many of them are rich, and the loss of a crop, while it would make them discouraged, would result in comparatively no hardships for a large majority of the farmers. I made it a point to talk with many of the farmers and I find that a number have held wheat back from last year, which they are ready to sell whenever the price gets where it meets their views. I asked one farmer what he was holding his wheat for, and his reply was a characteristic one. 'Well,' he said, 'we have discovered up here that there is a Leiter comes along once in about every three years, and I am holding it for the next Leiter.' This is the way with a great many of those farmers; they have wheat back, and they are writing for a Leiter to come along and boost prices up to a high point. That class of farmers won't suffer much by reason of one poor year, and I heard far less complaint than I expected to hear. Hay is the poorest of any of the crops, especially upland hay, but from the converwith the farmers I do not anticipate they will suffer much for the lack of feed. Much of the poor grain will be cut and used for feeding purposes, while straw will also be used very extensively. Flax straw, I understand, is good feed, especially for sheep, and it will be used where hay is a poor crop. Most of the farmers there now are engaged in stock raising as well as in wheat and flax farming, and if they can fatten their stock and put it in shape for market they will have no difficulty whatever in getting through the winter in fine shape. The trip was very satisfaand I returned with a much better knowledge of the exact situation than I could have obtained in any other way, and with a great deal more confidence in the vast resources of our great Northwestern States."

Everybody who has ever traveled in

ouri as a Missouri knows that it is a great apple Fruit Country country. THE KEYSTONE man spent

a few days in that State recently. He learned that the apple crop this season would be a fairly good one, though hardly up to the record-breaker crop of 1897. Here is the way they talk about the fruit business out there, and we give it as an interesting bit of commercialism. A prominent fruit grower soid: "The apple crop is sometimes a failure in Missouri, but our farmers are too intelligent to be cought with their eggs all in one basket. The average fruit grower has about one-fourth of his farm in apples; the rest is devoted to general agriculture. It is on account of its diversified farming that the State of Missouri holds the high rank it does with its agricultural product. You will remember that Missouri took more fruit prizes at the World's Fair in Chicago than any other State in the Union, and did the same thing at Omaha and New Orleans. At Paris now, with the single exception of New York State, Missouri has the finest display of fruits, although it has not had a good apple crop since 1897. The indications are that this year will prove a good one for the apple grower; some say it will be a record-breaker, enough so that our farmers will have money to burn. I knew of a 135 acre orchard in 1897 whose crop brought \$65,000, and m present indications there are many orchards in the State which will do equally as well as this year. one reason why there is nothing the matter with Missouri,

An extraordinary corn crop in Ne-

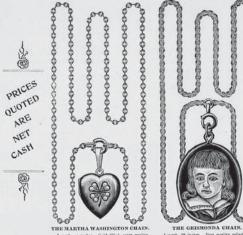
The Situation in braska has been assured by the gen-Nebraska eral rains of the list two weeks. Her

splendid wheat crop will have been completely harvested by the first of August if all the men required for the service can be secured and prosperity throughout that section of the great West is increasing daily. Railroads are working their crews over time, and the general volume of business is estimated to be at least 30 per cent, above that of last year, which was a recordbreaker for volume of business. The corn fields of Nebraska in 1896 included 7,519,113 acres, while the yield was 269,244,824 bushels. The corn acresge is 8,562,000 acres this year, and the estimated yield is 310 million bushels. The wheat yield of 1896 was 35 million bushels, and this year it is estimated at 56 million bushels. At no time in the history of Nebraska have so many persons been working at such high wages.
(Continued on page 799.)

When it comes to writing about JEWELRY, CLOCKS, DIAMONDS



and the like, no one can excel us. Below are a few quotations to substantiate our claim.



of our recent purchase in Europe.

No. 506. Crystal White Perfect Diamonds mounted in 14 K. gold settings; average tota weight, 34 C., price, \$61.50.



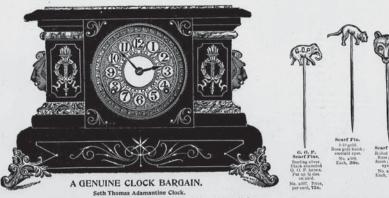












16-hour strike, cathedral bell, fine gilt trimmings and ornaments, fancy gilt dial, Arabic figures, itsel, 5 inches; height, tol; inches. Regular selling price, \$4.63.
our price, while they last, \$5.96. In lots of \(\) \(\











PHOTO. BUTTONS are reproduced from the latest photographs of the various candidates. Have a highly-polished surface, true in every detail, and equal to the best of photographic work. All have the safety lock pin which holds them securely.

No. 530. Either McKinley or Bryan, all plain, no wording on photo, has safety pin, also eased back which can be removed.

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Ball Tie Holder

Very Popular EVERYBODY WANTS ONE



No. 1223. In gold only, like cut, set with pearl, opal or turquoise, \$4.30 a doz. No. 1224. In gold only, excepting all plain, with same setting.

The 20th Century Tie Pin

A POPULAR NOVELTY

A HOT SELLER









A Swell Line of Ladies' Sterling Tie Holders

Jeweled Hair Clasps









J. Floersheim, Kunstadter & Company

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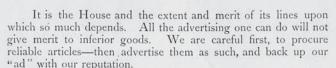
ESTABLISHED 1872

243-245-247 Adams St., N. E. Cor. Market St., CHICAGO, ILL.

A. C. BECKEN, 103 State Street, Chicago, III.

AUGUST, 1900

After All is Said



We are sticking to the plain, hard, old method of merit. The steadily increasing business that's coming here from every State in the Union shows it. We want your business, but much prefer to deserve it. Then you'll stay with us.

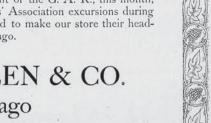
Our Fall stock is now complete and most extensive. Complete assortments are an advantage to every buyer.

We publish each year two large, separate and distinct Catalogues, each profusely illustrated, one listing our lines of Diamonds, Watches, Jewelry, Clocks, Silverware and Optical Goods; the other listing Watchmakers' Tools and Material and Jewelers' Findings and Supplies. Both of these handsome and useful Catalogues we send free of expense to the Jewelry trade only. If you do not possess them, advise us.

It is decidedly to your interest to see our stock when you visit this market. Jewelers taking advantage of the reduced rates to the National Encampment of the G. A. R., this month, and the Merchants' and Travelers' Association excursions during August and September, are invited to make our store their headquarters during their stay in Chicago.

BENJ. ALLEN & CO. Chicago

Silversmiths' Building



Chicago News. (Continued from page 795.)

Reports from Colorado are full of Prosperity Abounds good-time stories. Returning travelers tells us that prosperity abounds on all sides out there, and that there is not a single industry languishing in the State. The

only question from the farmer to the machinery manufactdemands. Labor is in great demand. The railroads re-cently advanced wages of unskilled men of the section 25 per cent. On the Western slope of the Rocky mountains, the farmers have taken to kidnapping tramps and stealing section men whenever the crops demand immediate well paid. The agricultural outlook never was better. Fruit, grain, hay, vegetables and live stock have all pros pered until it seems as if the farmer would revel in greater wealth than he has ever had. To add to the farmers' prosperous outlook, prices are now higher than ever.

There can be no doubt but what prosperity is general throughout Iowa. Compared with this date in 1896, agricultural manufactures, banking and

crop of the State aggregated 415 million bushels, considerably above the average for the past ten years, but the total value of the cereals and other farm products that year was years has been 172 million dollars and the total estimated value of the present crop is 207 million dollars. Bank deposits are another index of the prosperity of the State. Iowa is essentially a State of small banks, patronized by farmers and small business men. They were, on June 30, 1896, 370 savings banks. Now there are 450. These banks, on June 30, 1896, reported total assets of \$92,832,-227,36, and total deposits of \$60,824,033.21. The reports for June 30, 1900, are not complete, but on February 13th a statement was made, showing assets of \$105,518,606.79 and deposits of \$82,277,739.50, and the showing will be considerably increased when the June 30th statement is issued, as the number of banks are increased by twenty, National banks in Iowa show a corresponding increase assets and deposits. Iowa land in a large section of the State has increased in market value \$10.00 an acre in four years. In the newer sections of the North and North-west-nearly one-third of the State-the average has been \$15.00 an acre. The present year has seen an advance of from \$3.00 to \$5.00 an acre in this section. Wholesale and retail trade is now prosperous, and attendance at the Colleges and Universities of Iowa has increased 30 per

Reduced Rates to ciation of Chicago has just com-Chicago for Jewelers pleted the details of arrangement with the Western railroads for their meetings to be held this fall. Dates for all gatherings have been settled upon, and the lines in the Western Passenger Association have authorized a general round-trip rate of one and one-fifth fares, and the lines of the Central Passenger Association the same at one and one-third fares. The neetings of this Association will afford the jewelers of the West an excellent opportunity to visit Chicago, and select their fall bills, and see the sights of the Western Metropolis at the same time. These meetings will be held as follows: August St. to 15th, August 22d to 20th, September 5th to 12th and September 19th to 26th. Members of the Mer-chants' Association have great expectations as to the ultimate results of the four meetings to be held in this city. The total attendance of the merchants and dealers from towns within the territories of the Central and Western Passenger Associations is expected to be considerably larger than that of any former series of gatherings. The jewelry trade is represented in the membership of the Merchants' and Travelers' Association by the following wholesale houses: Benj. Allen & Co.; H. F. Hahn & Co.; C. H. Knights & Co.; Lapp & Flershem and Otto Young & Co., any of whom will be glad to give full particulars to any jeweler who may write to them in regard to these meetings, the dates for selling tickets and whatever other information they may desire.

The railways are co-operating to make

G. A. R. Excursion the National Encampment of the Rates to Chicago Grand Army of the Republic, to be held in Chicago from August 25th to September 1, 1900, a great success from the standpoint of bringing people to the city. Many jewelers and opticians

will like to make notes of the reduced rates and dates for buying tickets and returning, and THE KEYSTONE prints this information for their benefit: The Western Passenger Association whose territory is divided into the Eastern committee and Trans-Missouri, announce a rate of one fare for the round trip with minimum rate of \$4 00 from territory described below, except that open rate of fare and one local one-way rate to Chicago is \$3.00 or less. Tickets will be on sale from points shown under Eastern co territory, within a radius of 200 miles of Chicago, on beyond a radius of 200 miles of Chicago, August 25th to 29th inclusive. From points shown under Trans-Mis territory, east of the eastern State lines of Colorado and Wyoming, on August 24th to 27th inclusive. From points in Utah, August 23d and 24th. All tickets will be good to leave Chicago without execution on any date up to and ncluding September 1, 1900. Tickets sold from points in the territory shown above, under Eastern committee and Trans-Missouri territories, beyond a radius of 200 miles of Chicago, will be extended to leave Chicago up to and including September 30, 1900, by depositing same with joint agent at Chicago on any date, August 27th to noon September 2d inclusive, and upon payment of fee of fifty cents at time of deposit. The territory from which this rate applies in the Eastern committee is a Illinois, on the west of the Illinois Central railroad, Chicago to Gibson; the Wabash railroad, Gibson to Decatur; the Illinois Central railroad, Decatur to Pana; the C. C. C. & St. L. railway, Pana to Litchfield, and the Wabash railroad, Litchfield to St. Louis. Wisconsin, Northern Peninsula of Michigan, Minnesota, North Dakota east to the meridian at which the Missoufi river crosses its Southern boundary lines; South Dakota east of the Missouri river, Iowa and Missouri on the north of the St. L. & S. F. railroad, following its Vinita line west of Springfield. The Trans-Missouri territory includes South Dakota, west of the Missouri river, rasko, Kansas, Oklahoma, Indian Territory, Colorado, Wyoming and Utah. The Central Passenger Association, whose territory is bounded on the east by a line drawn through Toronto, Buffalo and Pittsburg, on the south by io River, including Louisville, and on the north b Lake Michigan, announces a rate of one cent per mile per capits, short line distance, for the round trip, tickets to be sold from Saturday, August 25th, until Wednesday, August including Friday, August 31st, after having been stamped and signed by the joint agent of the Chicago terminal rail roads, to whom a fee of twenty-five cents must be paid depositing these tickets with the joint agent before 12 o'clock noon of Sunday, September 21, and payment of a fee of fifty cents at time of deposit, the return limit may be The Merchants' and Travelers' Asso nded to leave Chicago not later than September 3 In addition to the foregoing arrangements, tickets will be sold from points within a radius of seventy-five miles of Chicago from August 25th until August 29th, inclusive, good going only on date of sale and returning for not more than two days from date of sale at the same rate (one cent per mile), but without requiring the passengers to appear before the joint agent to have their tickets executed. From Eastern and New England States, which are included in the territory of the Trunk and New England Passenger associations, tickets will be sold at one fare for the round trio, except that from points in the vicinity of the western termini of the Central Passenger Association, where do local fares or regular excursion fares to such termini added to fares therefrom make less than one fare, the same may be used. From the above described territory tickets will be sold on August 25th, 26th and 27th, and will bear the same conditions as to return limit, including the extension of time, payment of fee for the joint agent, etc., as apply from the territory of the Central Passenger Association. Here is some mighty interesting read-

How We are
Becoming a "World the western business man, especially Power"
shout some of the leading products of shout some of the leading products of

about some of the leading products of the great West. It shows how the American hog chases around the world. It also shows that the American steer is quite a globe-trotter, but he is not in the running with his little bristling companion of the feeding lot. The fiscal year just closed has been a record-breaker in exports of products from the farm vin the packing houses. Eighteen hundred and ninety-nine was regarded as a phenomenal one, but the past year has exceeded it in the exportation of provisions, the total value reaching \$180,000,000-the largest in the history of the country. For the first eleven months of the year the item of lard amounted to \$38,691,

\$35,478,000 and \$18,192,000 respectively. Plain pork unted to \$9,459,000. Of the despised "oleo" we sent abroad \$9,409,000 worth that was not needed for the tables our own hoarding houses. Our foreign shipments of beef amounted to \$7,555,000, most of it going to Great Britain, France, Africa and the Orient, each of these countries showing a large increase over the previous year. American cheese is also in greater demand abroad, the in-

crease being more than 6,000,000 pounds.

It is believed that after the harvest of versified Farming 1900 shall be garnered and the record the Remedy of the season in all agricultural lines shall become established, a great many

Northwestern farmers will try to plan some method fo future operations which shall reduce the chances of individual failures to a minimum. This may be done by diversifying to a greater extent than ever before, producing stock as well as grain, and preparing for both late and early crops, so as to get all the chances possible in the most changeable seasons. It is easy to plan so that even if some yields are disappointing an entire failure, under any circumstances, cannot be possible.

James A. Todd, Chicago manager for the Towle Manufacturing Co., writes that he is having a thoroughly enjoyable time on his trip through Europe. He expects to be back

home again early in August.

Max Ellbogen, of the Stein & Ellbogen Co., sailed July 18th, on the steamer St. Flow! for a European trip of ness and pleasure. Mr. Ellbogen will first visit the diamond marts of London and Amsterdam, and then do

Miss C. R. Thompson, the able and efficient assistant manager at J. W. Forsinger's wholesale establishment, is enjoying a well-carned and much-needed month's rest in the East, spending most of her time at the Pequot House, Martha's Vineyard. Miss Thompson is a bright and capable business woman, and has thoroughly earned her position in the trade by hard, conscientious work. She is accompanied on her trip by a sister.

Travelers who have recently called on Mills & Hupp, the well-known jewelers and music dealers of Streator, Ill., tells us that their new store is one of the gems of the State. Thoroughly modern, bright, attractive and arrangement all that could be desired, it is alike a credit to its enterprising proprietors as well as the town it is located in.

Alex. Marks, the pioneer and well-known jeweler of Lawrence, Kans., is spending the summer in Germany. He will take in the Paris Exposition ere he returns.

Richard Ashby, the well-know jeweler of Colorado Springs, Colo., was in town for a day or two the early part of the month en route to Europe. Mr. Ashby will remain abroad about four months, visiting at his old home in Eng-land, seeing the Paris Exposition and other points of interest in Continental Europe. He will combine business with pleasure somewhat, and buy art goods and brie brac for the

H. M. Huemann, who was formerly in the employ of A. C. Becken, but who has lately been working in New York City, was in town the early part of the month on a

Fred. H. Allen, Chicago and Western represe for D. Wilcox & Co., is enjoying a week's outing at Paw Paw Lake, Mich.

James P. Stewart, cashier at C. H. Knights & Co., is at Lake Geneva for a two-weeks' ounting.

C. H. Pixley, house salesman with F. A. Hardy & Co., returned last week from a two-weeks' vacation spent among

Miss Minnie C. Gray, Mr. Dorrance's faithful assistant in the Chicago office of Simons, Bro. & Co., is enjoying a month's vacation among the hills of New-Hampshire.

Edward E. Swadener, house salesman at F. A. Hardy

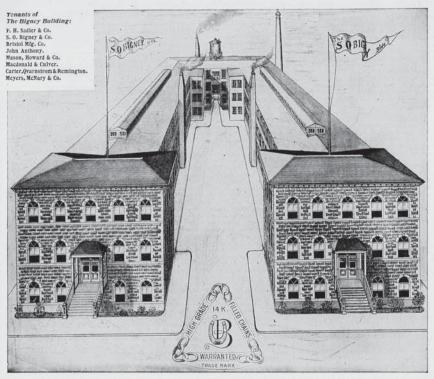
& Co.'s, is at present spending his annual vacation at his old home in Dayton, Ohio.

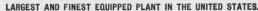
Henry Peters and Geo. M. Tregay, of the office force femry Peters and Geo. M. Fregay, or the omce force of the Chicago branch of the Gorham Manufacturing Co., are at present enjoying their annual vacations. W. H. Burton, of the traveling force, is enjoying his summer out-

ing down in Vermont; T. G. Jewett, also of the traveling force, is down in the Old Bay State, enjoying his vacation, and W. S. Willis, still another traveler of this company, is spending a fortnight at the factory. Elmer A. Rich, of the Rich & Allen Co., is combining business with pleasure in a three-weeks' trip through the East. He returns early in August.

(Continued on page 803.)

THE S. O. BIGNEY & CO.'S MAMMOTH JEWELRY PLANT!





This is where the renowned S. O. Bigney & Co.'s Gold Filled Seamless Chains are made. Every chain is guaranteed. To handle these goods means an increase in your business. Further comment is unnecessary. Ask your jobber for them.

The above trade-mark is a fac-simile of tag attached to all chains made by our house.

The Bigney Vest Fob

for Ladies and Gents, is a Great Seller!

S. O. BIGNEY & CO.

Manufacturers of High-Grade Gold Filled Seamless CHAINS

New York Office, 3 Maiden Lane

ATTLEBORO, MASS.

Come to Market to Buy your Fall Goods

REDUCED RATES TO CHICAGO FOR JEWELERS

In connection with Merchants' and Travelers' Association Meetings and the National Encampment of the Grand Army of the Republic

FALL MEETINGS, 1900

National Association of Merchants and Travelers

ONE AND ONE-FIFTH FARE

ONE AND ONE-FIFTH FARE

Special Excursion Rates in the territory of the Western Passenger Association, including the following States: lowa, Resconsin, Missouri (except on the St. Louis, Iron Mountain and Southern Ry, and the K. C., F. S. & M. Ry, east of Spring-field), Kansas, Nebraska, Colorado (from Denver, Colorado Springs, Pueblo and points East only). New Mexico, Artzons, Iron Resconsing and North and South Dakota, except on the lines of the Great Northern Pacific and Soo System, and missoid and North and South Dakota, except on the lines of the Great Northern Pacific and Soo System, and missoid and North and South Dakota, except on the lines of the Great Northern Passinal of Michigan on the C., M. & St. P. Ry, and C. & N. Ry, lines; Illinois in Western Passenger Association territory and also along the Illinois Central, the Chicago & Eastern Illinois, the Wabash, the Jackson Wile & St. Louis the Toledo, Peoria & Western, the Chicago, Peoria & St. Louis and the Indiana Decatur & Western Communication of the Communica

First Meeting

Dates for buying tickets, August 4, 5, 6, 7, 8, 9 and 10.

Dates for returning, August 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18.

Dates for buying tickets, August 18, 19, 20, 21, 22, 23 and 24.

Dates for returning home, August 18, 19, 20, 21, 22, 23, 24, 27, 27, 29, 30, 31 and September 1. Second Meeting

Third Meeting

Central Passenger Association Territory, Including Ohio, Michigan (except Northern Peninsula) and Indiana and part of Illinois.

One and One-Third Fare. Certificates good for returning THIRTY DAYS from date of purchase.

First Moeting—Dates for buying tickets, August 11, 12, 13, 14 and 15.

Second Moeting—Dates for buying tickets, September 1, 2, 3, 4 and 5.

Third Moeting—Dates for buying tickets, November 3, 4, 5, 6 and 7.

RATES for the G. A. R. ENCAMPMENT, to be held in Chicago, Aug. 25 to Sept. I, 1900

RATES FOR THE WEST.

149-153 State Street

RATES FROM THE EAST.

RATES FROM THE EAST.

The Central baseager Association, whose territory is bounded on the east by a line drawn through Toronto, Buffalo and Fittburg, on the south by the Obio River, including Louisettle, and on the north by Lake Mirligan, the Charlest Cha

Additional particulars may be had of any of the following members of the National Association of Merchants and Travelers:

OTTO YOUNG & CO.

H. F. HAHN & CO.

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THE "CHARACTER" **PATTERN** OF 1900

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OUR SPECIALTY!

HIGH-GRADE CHINA NOVEL-

Fine Jewelry Trade

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A FULL LINE

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One Hundred

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of our "Laurel Wreath." with many other popular patterns, can be seen in our sample room.

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42-44 Lake Street

CHICAGO

Chicago News.

H. M. Lane, Chicago agent for Reed & Barton, and Mrs. Lane, are at Mackinaw for a three-weeks' outing.

L. Siligman, of the L. Siligman Jewelry Co., arrived home from his European trip last week. Mr. Siligman re-ports the most enjoyable trip of a lifetime, especially the spent at his old German home. He is looking well, and says the trip agreed with him splendidly.

L. L. Joseph, manager of the Parisian Novelty Co., Masonic Temple, has just returned from an extended trip through the West, including the Pacific Coast. He was away two months, and tells us that he found prosperous con-

Paul Juergens, head of the Juergens & Andersen Co., and family, are spending the summer at their charming Villa on the shore of Powers' Lake, Wis. Mr. Juergens intry resort, where he enjoys life as only a man of Mr. Juergens' tastes can.

E. Hart, manager of the material department of Benj. Allen & Co., is at present spending his annual vacation

S. N. Jenkins, well-known in the Western trade from his long connection with the gold pen business in this city, has the sympathy of his many friends in the death of his father, Evans H. Jenkins, who died at his home in Richmond, Ind., July 15th, of troubles incident to old age. Jenkins was born in Troy, Ohio, Sr years ago. His life-work was that of a jeweler, and for a little over sixty years he followed that calling. He settled in Richmond, Ind. in 1876, coming there from Dayton, Ohio, and was the founder of the Jenkins jewelry store in Richmond, now owned by a son and grandson-S. N. and Wm. E. Jenkins.

Will. Juergens, of the Juergens & Andersen Co., and family are enjoying their summer outing at the Juergens

Villa, Powers' Lake, Wis.

Webb C. Ball, the well-known railway time inspector, and head of the Webb C. Ball Co., Cleveland, Ohio, was in town recently on business connected with the time service on the various lines under his charge. Mr. Ball is now chief inspector of all the Vanderbilt roads in the West, which include the Lake Shore, Michigan Central, Nickel Plate and Big Four systems.

Chas. T. Wittstein, of the Schrader-Wittstein Co., returned last week from his annual summer outing pleasantly spent among the Eastern seashore resorts. He was accom-

panied on his trip by Mrs. Wittstein.

J. D. Packard, the well-known traveler for H. F. Hahn & Co., and Willard S. Hyde, Jr., manager for Geo. E. Marshall, returned last week from their vacation delightfully spent in touring down the St. Lawrence river, returning through Lake Champlain and Lake George, then down th Hudson to New York. These gentlemen are looking fine from their outing, and report a most enjoyable trip.

Guy V. Dickinson, general sales agent for the Elgin Watch Co., returned early in the month from a month's trip among the larger cities of the East, in which he pleasantly combined business with pleasure. Mrs. Dickinsom accom-

C. H. Knights and family are spending the summer at their cottage at Lake Beaulah, Wis. The family remain at the resort the entire summer, but Mr. Knights spends his time except each Saturday and Sunday, in the city attend-

B. Frank Davis, Chicago agent for Hipp. Didisheim & Bro., has just returned from a three-weeks' trip through the East, in which he was combining business with pleasure.

Louis Krueger, of the general office force of the Elgin

Watch Co., has the sympathy of the trade in the loss of a devoted mother, whose death occurred in this city July 15th.

Charles Lester, Chicago manager for the New England Watch Co. and the New Haven Clock Co., is enjoying a month's outing among the lake resorts of Northern Michi-

Grove Sackett, Chicago agent for the Wm. L. Gilbert Clock Co., has just returned from a several-weeks' absence in the East, wherein he combined business with pleasure.

Edward Winheim, salesman in the Chicago office of Reed & Barton, enjoyed his annual summer vacation the early part of the month at Paw Paw Lake, Mich.

F. C. Klein, of F. C. Klein & Bro., the lapidists, has recently returned from a two-weeks' outing spent with his family at their summer home at Diamond Lake, Mich. Mr. Klein's family will remain at the lake for the summer. but he will remain in Chicago most of the time, spending only an occasional Saturday and Sunday with them.

Will. Mayer, foreman of the Juergens & Andersen Co.'s factory, is enjoying a month's outing among the Eastern cities and seashore resorts. He returns to his post early in

C. J. Dodgshun, Chicago manager for the Waterbury Clock Co., in company with his family, are spending the month of July at their summer home at Cape Collie, Williams Bay, Wis.

Charles T. Ross, entry clerk in the Chicogo office of the Waterbury Clock Co., has been promoted to the position of traveling salesman, and will cover Michigan and Wisconsin territory

William M. Alister, of B. F. Norris, Alister & Co. and family, are spending the month of July at their cottage at

Frank M. Sproehnle, of Sproehnle & Co., has recently rned from his annual summer outing, mostly spent with his family, who are sojourning in Montreal, Canada, for the

Reni. Allen & Co. have recently finished putting in a new gallery over the long row of massive safes at the south wall of their office. The new compartments are handsom ely finished in oak, and will give this firm a large amount of extra room for the storage of surplus stock.

Fritz Hoefer, the well-known jewcler of Aurora, Nebr.,

was in Chicago several days the early part of the month accompanied by his wife and daughter. They were the guests of his brother, C. L. Hoefer, during their stay in town. Mr. Hoefer and his family were on their way to Europe, and sailed from New York, July 18th, on the steamer St. Piul. They go direct to London, where they will remain a week. From there they will make a tour of the Continent, stopping two weeks at Mr. Hoefer's former home in Cassel, Germany, returning by Switzerland and Paris. They will spend a fortnight doing the great French Exposition, expecting to return September 22d, on the steamer St. Lowis. Their trip will consume three months

Sol. Goldsmith, of Goldsmith Bros., the refiners and smelters, leaves this week for a fortnight's fishing up among the lakes of Northern Wisconsin. Mose Goldsmith, of the same firm, has just returned from a ten-day fishing ex-

eursion up among the lakes in Northern Michigan,
A. L. Sercomb, Chicago manager of the International Silver Co., Mrs. Sercomb and their two sons, are at Trout Lake, Wis., enjoying a three-weeks' outing.

Louis C. Krueger, the Milwaukee Avenue retailer, has recently returned from an extended trip over the far West, in search of a new location. He has decided to remove to Seattle, Wash., as soon as he can dispose of his business

M. S. Benedict, head of the M. S. Benedict Manufacturing Co., was confined to his apartments at the Auditorium Annex for three weeks, suffering from a severe case of by his obveician, and Mr. Benedict's life hung in the nce, but we are glad to say that he has so far as to be able to undertake the trip to his home in Syracuse, N. Y. He left the first of this week, and at last accounts, had made the trip home safely.

L. Gutmann, the well-known wholesaler, of Cincinnati, is in Chicago to day paying his respects to his friends in the trade. Mr. Gutmann is en route to his favorite haunt up among the Wisconsin lakes, where he goes each

mer for a few weeks of fishing and outdoor recreation J. W. Tice, Chicogo agent of Adolphe Schwob, the Swiss watch importer, is at Sturgeon Bay, Wis., for a ten-

E. A. Tyler, traveler from the Chicago office of the Ansonia Clock Co., has just returned from a three-weeks' vacation spent in the East. Part of the time was snent at his old home in Baltimore, and the remainder at

Geo. M. Stanard, of the Geneva Optical Co., is enjoying his annual vacation up among the Wisconsin

edge" knives, New York, has been in town this week in the interests of his "steel edge" line, and meeting with unusual success, so he tells us,

E. A. Inskeep, of Chambers, Inskeep & Co., is being ratulated by his friends upon the recent arrival of a little new woman at his home.

E. D. Barnum, Chicago agent for the Ansonia Clock Co., is enjoying a three-weeks' vacation among the

George Rouse, traveler for Chambers, Inskeep & Co., has just returned to headquarters after a two-weeks' outing spent at his old Indiana home.

A. W. Soroebule, of Soroebule & Co., and family, are oying a three-weeks' outing in Michigan reso

A. H. Clark, for a number of years with J. A. Norton & Son, the Kansas City wholesalers, but at present manager of the tool and material department of the L. Bauman Jewelry Co., St. Louis, is spending his vacation in town this week, combining business with pleasure.

The Otto Young & Co, baseball team played the A. C. cken nine a match game lost Saturday afternoon at Washington Park. The game was an interesting and close ne, and resulted in a score of 7 to 5 in favor of the A. C. Becken team, which so far in its career has had a victorious record. The feature of the game was the lattery work of Whitlock and Reinert, of the Becken nine,

Out-of-Town Visitors.

Claude Howard, of Frankfort, Ind., was a visiting buyer in this market rece

Theo, G. Mahler, of Le Sueur, Minn., was in Chicago ntly on a purchasing trip, Noyes & Huber, the well-known jewelers of Paris,

Texas, were represented in this market recently by Charles Noyes, who was here on a business and pleasure trip com-

O. C. Hustad, of Tower City, N. D., was in Chicago last week on a purchasing trip.

The Kohn Jewelry Co., Missoula, Mont., was representations.

ted in this market last week by the head of the firm. Mr. Kohn was buying liberally for the home trade.

Jeweler James Kinchelor, of Carrollton, Ky., was in the city recently combining business with pleasure. He found time while here to pay his respects to KEYSTE

A. H. Richards, of El Paso, Texas, was in Chicago ently on a business and pleasure trip combined.

F. C. Hyde, of Appleton, Wis., was in the market last

rek on a purchasing trip.

The Bohm-Bristol Co., well-known retailers of Denver,

represented in this market last week by Mr. Bristol. F. B. Harris, of Lincoln, Nebr., accompanied by his

family, spent a week in Chicago early in the month. Mr. Harris was combining business with pleasure in this trip. M. E. Leavens, of Fulton, Mo., was a welcome trade visitor in Chicago this week. Mr. Leavens was en route to his old home in Canada, where he will visit for a fort-

J. H. Doud, of Fowler, Ind., was in Chicago recently

N. H. Knowles, of Humboldt, Is., for a number of ears in the retail jewelry business at this point, but who recently sold out to his workman, was a trade caller in Chicago last week. Mr. Knowles was a caller at KEY-ONE headquarters during his stay in town, and informs us that he is now giving up his time entirely to the practice of optics. He is in love with the profession of an optician, and tells us that he is meeting with good success. Mr. New York State.

N. C. Pabst, of Fargo, N. Dak., was in town this week

on a purchasing trip.

Jeweler W. T. Hixson, of El Paso, Texas, is spending his summer vacation in Chicago, combining business with pleasure. Mr. Hixson brings the news that he has bought out his old partner and thus succeeds to the business of Geo, W. Hickox & Hixson,

Completed the Work of the Clock.

Olddone had been out with the boys the night beforestayed out late-was feeling preity good when he left. Next morning he happened to meet Youngone and the following conversation ensued:
Youngone—Well, old man, how did you make out?

What did your wife say?

Oldone-What she said was a plenty-just as I got in the door my wife called out: "Is that you, John?" I mumbled out, "Yes—hio—my love." She then enquired what time it was, and I hurriedly said "12 o'clock." Just at that moment a confounded cuckoo clock in the dining room

"I'd have died of laughing had I heard what she said

"No; you'd have felt sorry to hear me cuckoo the

"The Keystone is the cheapest paper I have ever taken, considering the returns it gives me."—F. A. Robinson, jeweler, Tripali, Iowa.



Have YOU Tried The Mowrey & Murray Co.

for Jewelry Work, Watch Case Work or Watch Repairs? If so, you are a steady customer. If not, you will be one if you try them. All kinds of Jewelry made and repaired. A specialty of Case and Watch Repairs. Satisfaction guaranteed. Don't forget the address. RYAN BUILDING, SAINT PAUL, MINN.

Purchase Chains from your jobber that are made from Seamless Filled Wire, exactly as represented, by the well-known and reliable Chain house of

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AMERICAN VEST CHAINS GRAND VIZIERS CUCKOO WELLINGTONS FOBS and SEALS

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because it's the one thing we know more about

than anybody else in the country. That cuckoo

clocks are good sellers is a settled question.

Now it's "whose cuckoos shall I buy?"

CLOCK CO. Manufacturers. Philadelphia.

Still harping on our hobby

CUCKOO, Philadelphia

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Jules J. Lintz 108 Fulton St. Watchmaker To the Trade

TELEPHONE \$108 JOHN Careful Repairing at Reasonable Prices FIRE TIMEPIECES, COMPLICATED WATCHES AND CHRONOMETERS & SPECIALTY MAKING AND ADJUSTING OF ALL KINDS OF NEW PIECES

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and Repairers for the Trade KANSAS CITY, MO.





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AND SILVER OF AMERICA









DDISCILL A







SIMONS, BRO. & CO.

SILVERSMITHS AND MANUFACTURING JEWELERS PHILADELPHIA CHICAGO



Cleveland and Northern Ohio.

AUGUST, 1900

The nast few weeks have seen the usual summer exodus of luyers to the resorts, while the much-abused jeweler stays home and prepares for their return in the fall. The business for the month of July has kept up to the volume of last wear, and in some instances exceeded it. Collections are good in the larger cities, but the smaller towns have n rather slow.

Capt. R. E. Burdick sailed last week for Europe on the Prensylvania. The Captain will extend his trip this year so as to take in the Exposition. The usual purchases

of diamond goods will be made.

A. T. Hubbard and family will return this week from their summer home on the St. Lawrence.

Geo. W. Scribner, of Scribner & Loche, 143 Euclid Avenue, is away for a few month's vacation among the lakes of lower Canada and Georgian Bay. A congenial company of fisherman accompanies him.

John T. Vansant, manager of the retail department of Bowler & Burdick Co., has just returned from Philadelphia, where he has been on a trip for the health of his family. E. B. Shaw is enjoying a short vacation at Lodi, Obio. He will return about the first of the month.

The Cowell & Hubbard Co., during the month of August, will enter upon extensive improvements on the store. The present balcony will be replaced by a much larger one and the office transferred from the art room to the balcony. A new dark room has been added to the

Edward Quinlan, jewelry buyer for Bowler & Burdick Co., accompanied by his family, is spending the heated term at Linwood Park.

George Walker, accompanied by his bride, is enjoying a trip to Buffalo, Toronto, and other lake resorts. Henry Hudson, stenographer for Bowler & Burdick Co., is spending a vacation in New York City.

Ios. Schuster, Sr., has been to virit his son, who is a student at the Canadian Horological Institute, in Toron Mr. Schuster is much pleased with the progress his son is

Mr. Playtner, principal of the Canadian Horological Institute, contemplates a visit to our city in the near fu and it is rumored will deliver an address or lecture to the

Messrs, Need and Rowley, travelers for Bowler & Burdick Co., have returned from their vacations, and will soon start out to hastle business.

Messrs, Will. Wagner and Will. Kennon are enjoying

well-carned vacations. They will leave again for their first fall trip the middle of the month. Sigler Bros. Co. are fortunate to have two such genial travelers.

Frank J. Patton, of Cowell & Hubbard Co., is spend-

ing a few weeks at Chatauque, N. Y. Mr. Patton is accompanied by his wife.

Henry Jordan, optician for Cowell & Hubbard Co., lost his life componion by a sudden attack of rheuman of the heart. Mrs. Jordan was thirty-eight years old, and left two children. The Keystone extends its sympathy. Wm. Arnold and family, Ann Arbor, Mich., were in

town last week, combining pleasure with business, C. A. Radde was married recently to Miss Wilson, of

this city. THE KEYSTONE extends congratulations.
Clarence and Herman Goldsmith, of the Deutsch Jewelry Co., have sailed for Europe to visit Paris and other

Some two years ago mention was made of a Miss Rose Blumkin, a Cleveland girl, who had gone to the Klondike. being very successful in her new venturg. She has a rich

elaim sixty-four miles from Dawson, F. H. Kramer, jeweler and optician in the V. M. C. A. Building, is in New York on business.

Webh C. Ball has been chosen by the Michigan Cen-tral Railroad Co. as its official time inspector. Mr. Ball is now inspector for nearly all the "Vanderbilt" lines west

Mrs. I. T. Risser is spending the month in Chicago, studying art. Mrs. Risser is known to the trade through Sipe & Sigler are defendants in a suit for damages

brought by a former employee. Suit is brought for \$10,000, for the loss of three fingers.

G. R. Bange, Mansfield, Olsio, is in the East. Stops

in New York and Pittsburg were made.

Oscar Becker, formerly of Findley, Ohio, has removed

to Joplin, Mo., where he has purchased a store. He reports everything as prosperous so far.

Chas. Burris, Crestline, Ohio, has purchased a store in Galion, Ohio, and will operate both stores.

E. E. Critz, Elyria, Ohio, has been in New York for a

The following jewelers from out-of-town were buyers the past week: L. V. Stone, Conneaut, Ohio; Frank Fobes, Kinsman, Ohio; Albert J. Miller, Massillon, Ohio; C. J. Duncan, Massillon, Ohio; Geo. A. Clark, Lorain, Ohio, W. J. Higgins, Shelby, Ohio, J. O. McClintock, Chagrin

News from the Northwest.

The Elks' Carnival, meeting of Minnesota State Optical ciation, and Teddy Roosevelt, were attractions in the I'win Cities the past month and a large number of outside jewelers took advantage of low railroad rates to visit Twin City jobbers. The early part of the month the general cry was, "No rain; crops all burned up!" But after the Fou th of July the faces commenced to brighten up and the reports agree in saying, "We did not imagine grain could be so improved in condition;" and while in localities where wheat was grown exclusively, there will be shortage in crops, from all reports received we can venture nion that Minnesota and North and South Dakota will receive more money this year for its crop than it did last year. Corn never looked better; potatoes, a good, staple Minnesota crop, doing finely; hay is coming nicely, and more wild hay will be gathered than ever before; wheat in the Southern tier is an exceptionally good crop, and in the extreme Northwest-the poorest section-it will average five to eight bushels per acre; barley and osts are a good average. So all and all, we believe our prediction is justified by present conditions.

For next month, September, the State Fair, at Hamline, 3d to 8th, will give outsiders another chance with low excursion rates to visit the Twin Cities. The Minnesota Ootical Association has wisely chosen September 6th for its next meeting, which will be held at Minneapolis, to which all ieweler-orticians are invited.

Jobbers report summer business all that was to be expected; some even saying extra hours are the rule and vacations have been put off, owing to the fact that help could not be spared. Collections coming in fairly well. Travelers reporting good business and all are smiling, for the harvest is now on and fall business will start in with

a rush.
P. J. Berndtzen, Lake Mills, Iowa was a delegate to rthwest Scandinavian Saenger Fest, at St. Paul, last

If Britains lately in the employ of Grimm Bros. Wankon, Iowa, was in the Twin Cities last month, buying

stock for his new store at Faulkton, S. Dak. Nic Drexel, lately with E. Schmalz, St. Paul, has gone work for F. E. Callender.

Theo. G. Mahler, Le Sueur, Minn., is in Chicago, taking a course in optics. F. B. Sweet, St. Paul, has charge of the store during his absence.

H. B. Lund, Morris. Minn., was a delegate to the avention of the National League of Republican Cluis,

held at St. Paul July 17th. John A. Martin, Winona, Minn., spent a few days in

the Twin Cities last month.

Wm. Crandall, Madelia, has moved to Heron Lake,

Geo. P. Tuthill, St. Paul, spent a two-weeks' vacation iting the Lakes in Wisconsin last month.

I. H. Reiner, Glencoe, Minn., came to St Paul last

th to hear, as he says, our next Vice-President speak. Rose Mark, of Lewis Finkelstein, enjoyed a two-

Frank Holmblerg was arrested for attempting to pass a forged check on A. H. Simon, St. Paul. John H. Reiner, Glencoe, Minn., attended the Repub-n State Convention, as a delegate, at St. Paul, June

Theo. G. Mahler, Le Sneur, Minn., accompanied by

Mrs. Mahler, spent a few days in the Twin Cities last Charles Thomsen, of Henry Birkenhaner & Co., was

ing smiles and cigars last month, all owing to the ival of a new boy at home Tune 25th, the first born. May he prove as good a hustler as his papa !

E Lucck succeeds Chris. Lee at Benson, Minn. Frank Lucck, lately of Minneapolis, is manager.

Ivan R. Bunker, of S. H. Clausin & Co., Minneapolis, visited his old home at Hudson, Wis., during his twoweeks' vacation last month.

M. Frankenhoef's jewelery store, Browns Valley, Minn., was destroyed in the big fire there June 30th.

Frank Hyde, Sioux Falls, S. Dak., had his store deyed by fire June 30th. Loss, \$1200; insurance, \$1500. F. J. Kamber, Alton, Iowa, has sold his business to

Wm. Plackner, Arlington, Minn., is taking a course in

ics with F. A. Upham, St. Paul.

Estella Ripman, with the Fred. Scott Estate, Stillwater,

Minn., spent a two-weeks' vacation at Red Wing. Flo B. Sweet, Le Sueur, Minn., came down to hear Teddy Roosevelt speak at St. Paul, July 17th.

Chas. Beard, of Sischo & Beard, St. Paul, enjoyed a hort vacation last month.

Fred. Willman, Stillwater, Minn., was a delegate to State Republican Convention at St. Paul, June 25th.

Emil Koerner, of E. A. Brown, St. Paul, has recovered om a severe attack of tonsilitis. His friends say it was too much enthusiasm during the Elks' Carnival.

Martin C. Weyer, Fariboult, Minn., was married last month to Miss Hattie Smith, of Chicago. THE KEYSTONE'S

Wm. Weinke, for a number of years with F. E. Calder, is now with the Mowrey & Murray Co., St. Paul. Lewis Bros., Eau Claire, Wis., have opened a branch

store at Eveleth, Minn. Fire at Herman, Minn., gutted the store of S. P.

Olson. Loss, \$800; insured. G. W. H. Anderson, St. Paul, has returned from a nine-months' course at the bradley Polytechnic Institute, Peoria. He expects to engage in business at Grantsberg, Wis., about August 1st.

F. C. Worrell & Bro., 526 Nicollet Avenue, Minneapolis, had their store damaged by fire July 4th. Loss,

oo, covered by insurance.

Chas. Carlson, of Lewis Finkelstein spent all of last th rusticating in Northern Minnesota. Charlie needed a vacation to rest up.

E. B. Nelson has begun business at Worthington,

C. H. Carpenter, of the Minneapolis Jewelry Co., was confined a good part of the month by a sprained ankle.

Amassa S. Weller, a former jeweler at St. Paul, was discharged in bankruptcy court last month.

Frank A. Upham, St. Paul, will leave early in August for an extended trip through the Lakes to Buffalo, N. Y., returning vis Detroit, where he will attend the convention of the American Association of Opticians.

Carl W. Slocum, of Sischo & Beard, reports good business in Southeast Minnesota and Northeast Iowa, and says crops are in fine condition in that section. Roy Forde, of the same house, has returned from his Northwestern trip. He reports crops short of the average, but an imement of 100 per cent, since a month ago, and looks for good average trade for the rest of the year in that

I. H. Bullard and family, St. Paul, are enjoying a

eth's vacation at Paynesville, Minn. E. E. Finch, of Lewis Finkelstein, St. Paul, spent a o-weeks' vacation at Clinton Falls Minn. Visitors noticed in the Twin Cities the past month

were: Edw. J. Moore, Cameron, Wis; Theodore Schaal, Hastings, Minn.; L. E. Bryant, Belle Plaine, Minn.; W. W. Winchester, Amery, Wis; Emil Huhner, Stillwater, Wis; Nordahl C. Unseth, Grantsberg, Wis; Wm. Plack-Arlington, Minn.; F. F. Bigelow, New Richmond, Wis ; Albert Asleson, Dawson, Minn ; Theo. G. Mahler, Le Sueur, Minn; Merrill C. Meeker, Farmington, Minn-R. J. Ingraham, Menomonie, Wis; Julius Anderson, ora, Minn.; John C. Marz, Shakopee, Minn; Albert Mellin, Stillwater, Minn.; H. H. Starr, New Richmond Wis; Dr. E. C. Roberts, Red Wing, Minn; J. L. Moody, Ellsworth, Wis; S. V. Warren, West Concord, Minn; P. Berndtzen, Lake Mills, Iowa; Hr Britzius, Faulkton, S. Dak : John H. Reiner, Glencoe, Minn.; Fred. Willman illwater, Minn; Flo. B. Sweet, Le Sueur, Minn; H. B. Lund, Morris, Minn : John A. Martin, Winona, Minn : F. J. Kamber, Alton, Iowa; F. Howard, New Rockford, N. Dak. t I. C. Herdliska, Princeton, Minn.: E. S. Hough ton, Cannon Falls, Minn; Chas. C. Staacke, St. Crois Falls, Wis : L. Sheridan, St. Charles, Minn.; Peder Gaalas, Stillwater, Minn.; Fred. H. Straub, Fergus Falls, Minn.; H. M. Hitchcock, Redwood, Falls, Minn., S. B. Millard, Litchfield, Minn; L. H. Branns, Anoka, Minn.; L. J. Korstad, Zumbrota, Minn.; B. W. Brokaw, Morris, Minn

"Without The Keystone I would feel as a fish without ter."-A. Fuchs, jeweler, Milwankee, Wit.

