

HOW "MOONSHINE" IS MADE.

The "Copper," the "Worm" and the Man Behind the Gun—Risky and Not Profitable—Many Stills to be Found in the Picturesque Mountains of Georgia and North Carolina.

It is cornmeal when it goes in and it's a good liquor when it comes out. It's a "worm" on the mountain top, and a man behind a gun. It's keep your eye on a good twenty-four hours to the day, and come out at the end of the year as poor as a duly respectable farmer, your neighbor, says the Birmingham (Ala.) Age-Herald. It's a risky business all the way through, but when it comes right down to the fascination it's the ideal. It's "moonshine whisky," that's what it is, and it grows in the country where there ain't no Ten Commandments and a man can raise a thirst.

The moonshiner is an ignorant countryman, very uncouth in appearance, but as a principle of hospitality, as he is also a prince of good nature, he may be said of nearly all of the Georgia and North Carolina mountaineers. He and his wife are of Damocles' countenance, and he is in the habit of being so conscious of this fact that he is as in the daily almost hourly, fear of more or less suspicion; everyone with more or less suspicion; even his best friend and members of his own family are sometimes, and with good reason, suspected of treachery. Every stranger who arrives in the neighborhood is looked upon as a possible neighbor, and every knock on the door of his dwelling is answered with inward feelings of doubt and nervousness.

The reader must not infer from this that the moonshiner is a coward, for he is not. As a rule he resolutely opposes any interference with his calling, even to the shedding of blood, if this can be accomplished without too much risk of detection.

During the year 1900, 1,655 illicit distilleries were seized by revenue officers with the United States. Of this number 673 were located in Georgia and 483 in North Carolina. Nearly all the rest were distributed in the order given, over the States of Alabama, Virginia, South Carolina, Kentucky, Tennessee, Arkansas and Mississippi. It is probable that the total number seized did not represent more than one-half of the illicit stills in active operation. The total seizures of the ten years last past have been 16,057.

Georgia leads all other States by nearly two to one. In one district alone—the Ninth—445 illicit stills were captured during the above mentioned period. Rabun county, situated on the northern border of this district and of the State, may be called the hub center of the moonshining whisky traffic of the country. Ninety per cent of its population either owns, operates, deals in, furnishes material for or consumes the product of the large number of illicit stills within its bounds. As may well be imagined, no person, however worthy and well qualified he may be, can hold an office or position of trust in this county unless he sympathizes with the moonshine faction.

The extreme northern part of the State of Georgia contains some of the roughest, wildest and most grandly beautiful scenery in the Union. Throughout this region are numerous high mountains, towering, steep, deep gorges and almost impenetrable laurels. Amid such picturesque surroundings—in the most inaccessible parts, at some distance from public roads and trails—the moonshiner sets up his still. The spot chosen is in most cases in the twilight depths of a laurel screened gorge, through which rushes a crystal stream of water. Sometimes the apparatus is housed in a cave which has been excavated for that purpose in the side of the mountain gorge, but as a rule it is in the open air, being simply covered with a roof of split boards. The dwelling of the operator is seldom nearer than a quarter of a mile.

The apparatus used is not complex; a copper still, dubbed the "copper," about eighteen or twenty inches in diameter and of equal height; a coil of copper pipe several feet in length, called the "worm," several tubs or casks for holding the mash and for catching the drippings from the worm; a mash stick or stirring fork, and a small, narrow bottle in which to test the liquor—these articles comprise the entire outfit. The still is set over a stone furnace, while the worm, with one end connected to the copper, rests in a barrel of running water from the stream near by.

The process of making moonshine whisky is quite simple, consisting of four different steps: First, sealding the cornmeal and allowing it to ferment; second, the addition of malt and a second fermentation; third, boiling or distilling the beer for "singlings," and, fourth, boiling the singlings.

Coarsely ground corn meal is carried

to the still, and a certain quantity, depending upon the capacity of the apparatus, is stirred in boiling water until it is thoroughly cooked. This is called "mash," and is about the consistency of ordinary dough. It is allowed to stand in the fermenters in which it was mixed for twelve to thirty-six hours. After fermentation has taken place, water is added and the mash broken up with a mash stick. When it is free from lumps and about as thick as buttermilk it is called "beer." At this stage the liquid is not an unpleasant drink, in fact, large quantities of it are consumed by the moonshiner and his family and friends.

Rye, or more commonly corn malt (from a handful or two to eight pounds to the bushel of meal or tub of beer), is then added to the beer, and it is again allowed to ferment, this time from seventy-two to ninety-six hours. At the end of this second fermentation the copper is filled with a semi-liquid (still called beer) and boiled off.

The steam condenses in and passes off through the worm, and the first drippings are called "singlings." When the strength of the beer becomes exhausted the refuse, or "pot tail," is removed and fresh beer put in its place. As soon as enough singlings are accumulated the still is filled up with this liquid and it is redistilled. The product of this latter and final step in the process is corn whisky or proof spirits.

With the crude apparatus and methods of the moonshiner a bushel of meal will yield about two gallons of whisky, whereas the same measure of grain should yield three or more gallons under improved methods.

Contrary to common belief moonshine whisky is generally a very poor quality. These mountaineer distillers have little or no knowledge of rectification, and the fuel oil is therefore present in its original proportions; besides, the liquor is sold before it has time to age. Strange as it may seem, moreover, adulterations are quite often used, such as tobacco or bu-jockey bark, for adding to the intoxicating quality of weak liquor, and the addition of soap or lye to make it hold a good "head." According to the moonshiner, good, unadulterated liquor when shaken in a bottle will contain numerous bubbles on the surface. If four or more of these bubbles remain against the edge of the bottle for some minutes, it is said to "hold a good head." Notwithstanding the poor quality of the average moonshine whisky, however, the unadulterated article is not infrequently equal to and even above government proof.

The usual price obtained is \$1 a gallon, or double that sum when retailed in small quantities. With an average of 75 cents a bushel, and labor cheaper than in any other section of the United States, "making moonshine" would on first thought seem to be quite profitable. But when one allows for the large quantity of "hush liquor" given away, for bad debts, for occasional seizures of apparatus, for fines, etc., it will be realized that the business must pay very small dividends. Indeed, the moonshiner and his family are in no better, if as good, circumstances than their neighbors, who devote their time to farming.

The product is disposed of in several ways. A considerable portion is sold and given away at the still itself and at the dwelling of the operator. Another method is as follows: A hollow tree or cave adjacent to the nearest village is made up of common consent of the moonshiner and some of his friends, one of whom acts as agent between the seller and buyer. When a resident of the village wishes some whisky he hands the necessary money, together with a jug or bottle, to the agent, who deposits both in the secret place and goes his way. After a lapse of several hours, usually twelve or more, the agent returns and finds the money gone and the receptacle full of the desired liquor, which he delivers to the customer. The latter seldom knows who actually made and sold him the stuff.

The London Times has unearthed from its own columns, if not the prototype of the immortal Mr. Squeers, at least the origin of his advertisement.

On January 3, 1891, the following announcement appeared in its advertising pages:

"Education—At Mr. Simpson's Academy, Wodenroft Lodge, near Greta Bridge, Yorkshire, Young Gentlemen are Boarded, and accurately instructed in the English, Latin, and Greek languages, Writing, Arithmetic, Merchant's Accounts, and the most useful branches of the Mathematics, at 10 guineas per annum if under nine years of age, and above that age 17 guineas. French taught by a Native of France, at one guinea a year extra. Mr. Simpson trusts that his Friends will comply with a moderate advance during the present high price of provisions. Further particulars may be had of Mr. Walstell, No. 99, High Holborn; Mr. Robinson, No. 3, Basing-lane; Mr. Bott, Upper Berkeley-street, Portman-square; Mr. Kendal, Mary-le-bone New-road, opposite Great Portland-street; and of Mr. Charles Johnson, Coal Exchange. Mr. Simpson is now in Town, and may be treated with from eleven till two o'clock every day, at the Saracen's Head, Snowhill."

The advertisement that attracted the attention of Nicholas Nickleby, thanks to his uncle, starts off in the same way: "Education—At Mr. Wackford Squeers's Academy, Dotheboys Hall, at the delightful village of Dotheboys, near Greta Bridge, in Yorkshire, youths are educated, etc." Dickens raised the terms to twenty guineas, and added: "No extras, no vacations, and diet unparalleled," all of which was strictly true, as will be remembered.

That here was the source of Dickens' inspiration is made certain by the addition that "Mr. Squeers is in town, and attends daily, from one to four, at the Saracen's Head, Snowhill."

Mr. Squeers admitted to was of his customers that he was "the gentleman that advertised in the Times newspaper."

WAS SIMPSON SQUEERS?

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IN NOVELS.

"I see than brain fever and swoons have gone out of style with the passing of the old-time novelist," said a physician the other day, confessing a weakness for fiction. "Our modern novel writers are thereby deprived of good material that was used with great effect by their predecessors."

"Brain fever was a great favorite with yesterday's fiction writers, and has kept many a plot from getting into a tight corner. It was made to result from any severe mental strain. Grief, race, terror, remorse and joy brought on brain fever in the old-time novel, with due regularity. It cut down the villain, disabled the heroine or excited the reader's sympathy for the poor but virtuous hero or heroine on almost a moment's notice. Characters swooned all through the famous romances of 50 years ago. The typical heroine of a good tale of adventure spent at least 10 per cent of her time in a swooning condition. Indeed, the heroine was the only character in the story who was permitted to swoon.

"The hero, wounded in a duel or used up by some daring deed, frequently fainted from exhaustion," and the vil-

lain simply pressed his hand to his brow and fell senseless to the ground." In practicing medicine for a quarter of a century I have seen human beings under almost every stress that could be imagined, but I have never yet seen any one lose consciousness through emotion alone."

Not a word of truth.

There's positively no need to endure discomfort by reason of chafing, sunburn, insect stings, sore and perspiring feet or accidental bruises. You forget these troubles in using Bucklen's Arnica Salve. Infallible for Pimples, Blisters, Skin Eruptions and Piles. Sold by Z. C. M. I. Drug Department, 25 cents.

ARTISTIC JOB WORK

Turned out on short notice at the Deseret News. A big shipment of new types and supplies just in. Our facilities for letter heads, bill heads, tags, envelopes, pads, etc., etc., are unequalled by any establishment in the West.

NEW CATALOGUE OF CHURCH WORKS

Just issued by the Deseret News. Send for a free copy. Special terms to dealers, agents and canvassers.

PEKIN HEROINE TO MED.

Miss Mary Conger Pierce, niece of Minister Conger, will marry dashing Lieutenant. Couple met at relief of Pekin.



When Miss Mary Conger Pierce, who is en route from China, arrives in this country she will be met by Lieut. Harold Hammond of the Ninth United States Infantry. The couple fell in love with each other in Pekin and will be married as soon as the heroine arrives here.



THE Best selling ELK novelty of the day, Sterling Silver "Elk Tooth" match box—with the head, letters and dial in relief—dial enameled in blue. Every Elk should have one.

J. H. LEYSON CO.,
Sole Agent for this Elk Novelty.
154 Main St.

Wall Paper.

Large Variety
at 10c, 15c and 20c Bolt.

BANKRUPT STOCK

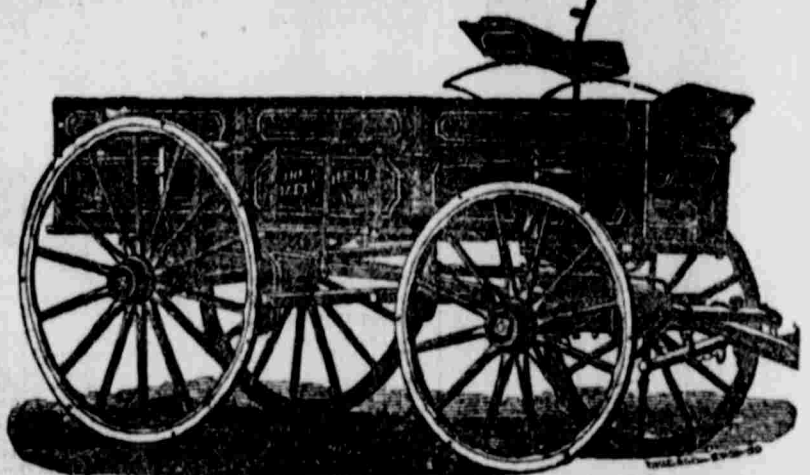
Of the Golden Rule Bazar Now on Sale.

Crockery, Glassware, Cutlery, Lamps, Etc., Etc.,
at from 25 per cent to 50 per cent Discount.

Economy Store,

140 MAIN STREET.

MITCHELL & LEWIS CO., Limited,
RACINE, WISCONSIN.



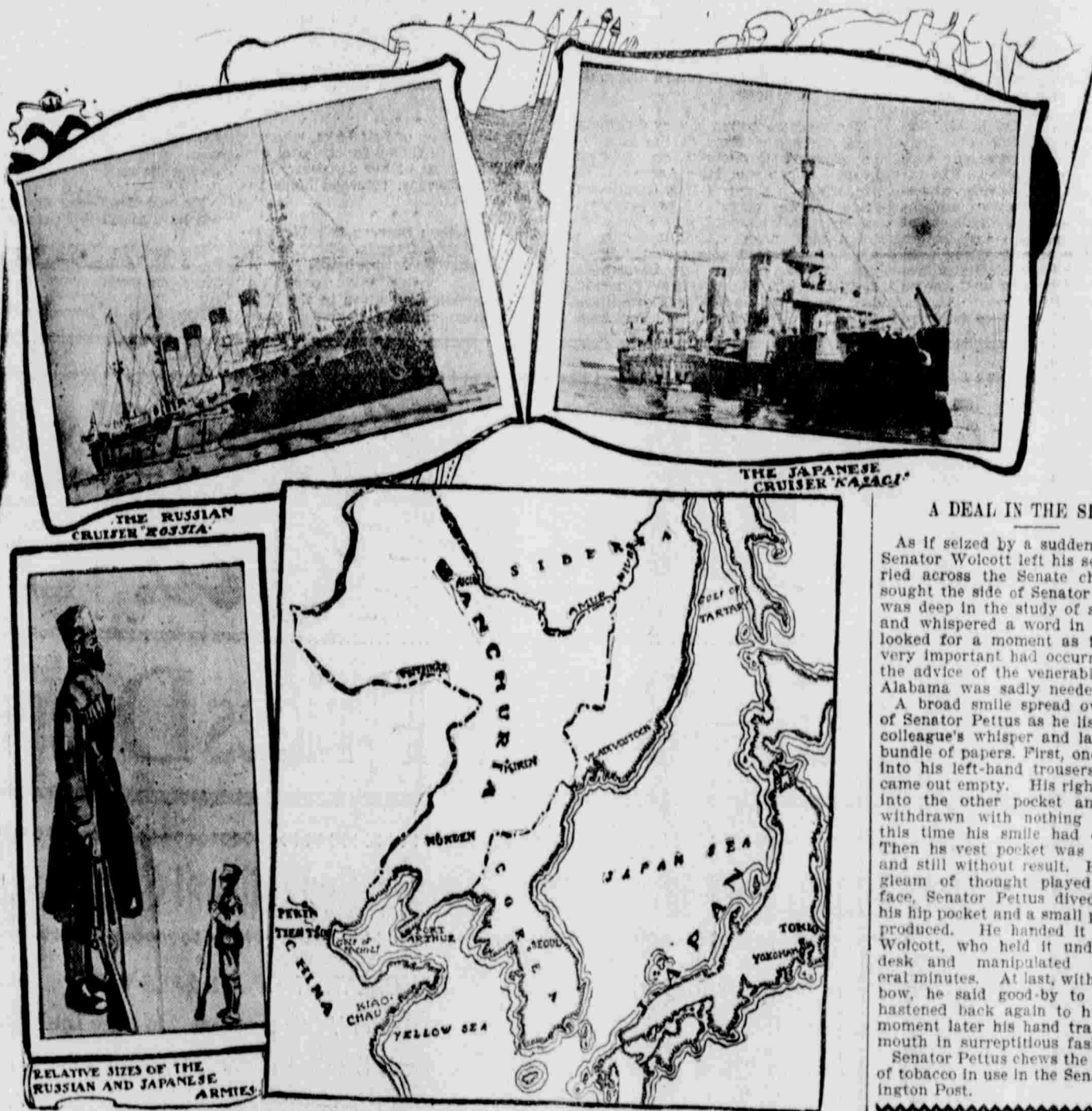
Manufacturers of the old reliable MITCHELL wagon, monarch of the road. Also all kinds of spring wagons. The Mitchell steel skein wagons are the best in the market, and are made expressly for the Utah trade. Call on the Utah Salesmen Co., Salt Lake City.

BUSINESS DIRECTORY.

- ACETYLENE GAS**
Charles P. Madsen, rear 136 Main St.
- ARCHITECTS**
D. H. Bero, 408 D. F. Walker Building.
- ARTISTS**
Edna Potrait Co., 271 S. W. Temple St.
- ASSAYERS**
J. W. Currie, 12 W. Third South.
- AWSTINGS, TENTS, ETC.**
Smith and Adams, 55 Commercial St.
- BANKS**
Utah Commercial & Savings Bank, 24 E. First South.
- BARBER SUPPLIES**
P. A. Sorenson, 49 E. Second South.
- BICYCLE SUPPLIES**
A. C. Gartin, 114 W. First South.
- BICYCLE REPAIRING**
J. S. Jensen, 63 E. First South.
C. B. Cotten Novelty Shop, Old Herald Building.
- BUSINESS COLLEGES**
Salt Lake Business College, Templeton Building.
- CARPENTER AND JOINER**
Edward Gaby, 62 Market Street.
Utah Screen & Job Shop, 41 South W. Temple.
- CLEANING AND REPAIRING**
Deseret Cleaning Co., 125 S. W. Temple Street.
Kastler & Gygil, 15 W. Third South.
Continental Cleaning Co., 115 Main St.
- CUSTOM SHOE SHOPS**
372 Main St., Fine Repairing.
- DENTISTS**
Dr. J. Thomas, 26 Main Street.
- DYE WORKS**
Deseret Dye Works, 125 S. W. Temple Street.
Pantorium Co., 11 E. Third South.
- ENGRAVING**
De Bouzek Engraving Co., 25 W. S. Temple.
- ELECTRICAL GOODS AND SUPPLIES**
Inter-Mountain Electrical Co., 45 E. First South.
Utah Electrical & Supply Co., 214 S. W. Temple.
Salt Lake Electric Co., 15 W. First So.
- FIRE INSURANCE**
J. Rogers & Co., 409-10 D. F. Walker Building.
- FURNITURE**
I. X. L. Furniture and Carpet Installment House.
- HARNESS AND SADDLE MAKERS**
Louis Hook, 166 S. State Street.
F. Platt Co., 147-149 So. State.
- JUNK**
Western Junk and Metal Yard, 123 State.
- LADIES TAILORING**
Pantorium Co., 11 E. Third South.
- LIVERY AND BOARDING STABLES**
Rubber Tired Carriage Sellers, 233 State.
- MANTLES AND GRATES**
Elias Morris & Sons Co., 21-23 W. S. Temple.
- MEAT MARKETS**
Rashand & Hawkins, 40 E. Second So.
- MERCHANT TAILORS**
E. O. Olsen, 325 S. Main.
Pantorium Co., 11 E. Third South.
J. Hagman & Son, 172 So. State Street.
- MONEY TO LOAN**
On Mortgages Wicks, 75 State.
- MONUMENTS AND TOMBSTONES**
R. McKenzie, 139 W. First South.
Elias Morris & Sons Co., 21-23 W. S. Temple.
- NEW AND SECOND HAND SEWING MACHINES**
Wiles & Johnson, 29 E. First South Street.
- OPTICIANS**
W. B. Rushmer, 73 W. First South St.
J. H. Kneckerbocker, 259 S. Main.
- OSTEOPATH PHYSICIANS**
Dr. Browder, 212 D. F. Walker Building.
- PAINTS, OILS AND GLASS**
G. F. Culmer & Bros., 20 East First South.
Bennett Glass & Paint Co. Successors to Sears Glass & Paint Co., 67 W. 1st South.
- PAINTING AND TINTING**
Geo. W. Ebert & Co., 326 S. State St.
Keate Co., 314 State St. Tel. 026 K.
- PAWN BROKERS**
Utah Collateral Bank, 20 E. Second So.
- PRESCRIPTION DRUGGISTS**
Wallace Bros., 102 W. S. Temple.
D. Turngren, Druggist, 174 So. State St.
- PHOTOGRAPHERS**
Alseon Photograph Gallery, 69 E. 2nd S.
- REAL ESTATE**
M. L. Cummings, estb. 1884, Basement Walkers Bank.
- RETAIL GROCERS**
Hudson & Bragg, 254 So. Main St.
- SECOND HAND STORES**
I. X. L. Second Hand Store, 48 E. 2nd So.
The Co-op, 222-24 State St.
- SEWER AND TILE PIPE**
The Langton Lime & Cement Co.
- SHOES FOR DEFORMED FEET**
John Camencia, cor. Main & 1st So.
- SHOW CASES AND STORE FIXTURES**
G. F. Culmer & Bros., 20 E. First So.
J. P. Paulson, 134 W. Second So.
- SIGN PAINTING**
Keate Co., 314 State St. Tel. 026 K.
Chas. Peterson 44 Richards, Tel. 928-4.
- SILK FACTORY**
Salt Lake Silk Factory, 72 E. Third So.
- STATIONERY AND NEWS**
Barrow Bros., 43 W. 2nd So. Tel. 762-2.
- STENOGRAPHERS**
And Mimeograph, 324 D. F. Walker Bldg.
- STOVE REPAIRS**
J. T. Lovett, 57 E. 3rd So. Tel. 020 X.
- TEAS AND COFFEES**
Atlantic Tea Co., 42 Richards St.
- TYPEWRITERS AND SUPPLIES**
J. Rogers & Co., 409-10 D. F. Walker Bldg.
The Wonderful Chicago, 435 E. 2nd So.
- UMBRELLA WORKS**
Salt Lake Umbrella Works, 136 E. 1st So.
- UNDERTAKERS AND EMBALMERS**
Jos. E. Taylor, 251-255 E. 1st So.
A. S. Watson, 110 W. 2nd So. Tel. 1019.
- UPHOLSTERING**
J. D. Felthousen, 123 E. 3rd So.
- WALL PAPER**
Geo. W. Ebert & Co., 326 S. State St.
Keate & Co., 314 State St. Tel. 026 K.
- WATCHMAKERS AND JEWELERS**
Henry Reiser, 13 East First So.
John F. Boes, 229 So. Main St.
Fred Nelson, 27 West First So.

RUSSIA AND JAPAN PREPARING FOR FRAY.

Mikado's premier repeats proud boast that Japan is in position to protect her rights against any power, though outclassed on land; Japan is Russia's equal on seas.



A DEAL IN THE SENATE.

As if seized by a sudden inspiration, Senator Wolcott left his seat and hurried across the Senate chamber. He sought the side of Senator Pettus, who was deep in the study of some papers, and whispered a word in his ear. It looked for a moment as if something very important had occurred in which the advice of the venerable sage from Alabama was sadly needed. A broad smile spread over the face of Senator Pettus as he listened to his colleague's whisper and laid down his bundle of papers. First, one hand went into his left-hand trousers pocket. It came out empty. His right hand went into the other. He looked at it and withdrew with nothing doing. By this time his smile had disappeared. Then his vest pocket was investigated and still without result. Finally, as a gleam of thought played across his face, Senator Pettus dived deep into his hip pocket and a small package was produced. He handed it to Senator Wolcott, who held it underneath the desk and manipulated it for several minutes. At last, with a profound bow, he said good-by to Pettus and hastened back again to his seat. A moment later his hand traveled to his mouth in surreptitious fashion. Senator Pettus chews the finest brand of tobacco in use in the Senate.—Washington Post.

The above map shows the territory over which Russia and Japan are at loggerheads. Naval experts emphatically declare that in the struggle between Japan and Russia the odds against the former little nation are not as great as is generally supposed. While, as will be seen by a glance at the above picture, Russia's military strength vastly exceeds that of Japan, the latter is Russia's equal, if not her superior on Asiatic seas. Not only does Japan enjoy a superiority of tonnage to the extent of 77,000 tons, but many of her ships are of very great power and efficiency.

BICYCLES! BICYCLES! BICYCLES! BICYCLES! BICYCLES!

Of course you know MEREDITH, the Trunk Man, of Salt Lake City. If you don't you ought to. He can save you money on TRUNKS, VALISES, SUIT CASES, LADIES' FURSES, CHATELAIN BAGS and on anything else he sells. Besides he carries NOTHING BUT THE FINEST STOCK and IS THOROUGHLY UP-TO-DATE.

HE MAKES ALL KINDS OF

THE POPULAR 1901

Trunks!

To Order and does repair work at the Lowest Prices.



Bicycles!

Are the "Thistle" and "Andrae." He carries them both and many others.

Oliver R. Meredith, New Store at 155 MAIN STREET.

TRUNKS! TRUNKS! TRUNKS! TRUNKS! TRUNKS!