

ARIZONA MINER.



VOLUME III.

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Arizona Miner.

E. A. BENTLEY, Publisher.
SUBSCRIPTION: \$5.00 per year, \$3.00 for six months, \$1.50 for three months, 75c for one month. Single copies, 25c. Payable in advance, without exception.

ADVERTISING: A square equals ten lines of this letter. One line of less, one insertion, \$3.00. Each subsequent insertion, \$1.50. One square standing for three months, \$10.00. For six months, \$15.00. For one year, \$25.00; and at the same rates for larger quantities.

JOB WORK: All kinds of job work executed to order, with dispatch, and at reasonable prices.

Greenbacks taken at par at the Arizona Miner Office.

PROFESSIONAL CARDS.

WM. J. BERRY,
Attorney and Counsellor at Law,
PRESCOTT, ARIZONA.
Office on Cortez Street, fronting the Plaza. 36m

WM. J. BERRY,
Commissioner of Deeds for the State of California,
Office on Cortez Street, fronting the plaza. 36m

HENRY W. FLEURY,
NOTARY PUBLIC.
PRESCOTT, ARIZONA TERRITORY.

European Metallurgical Works.

Proprietors having recently added to this establishment the latest and most approved Machinery for the Reduction and Testing of ORES—either in large or small quantities—adapted to deal Ores by such process as may be required best suited to their chemical character, either in the humid or dry way, made of cast-iron, Also Refining and Capelation at 100°.

KIMBALL, of J. R. MURPHY

PRESCOTT ADVERTISEMENTS.

BILLIARDS.



"QUARTZ ROCK" SALOON
located on Granite street, having been enlarged and fitted, with the addition of a New Table-making

NEW TABLES OF BEST PATTERN,
open to the public.

BAR will be furnished with the best of
For proof, call and see DOC & JOE.

MERY AND SALE STABLE.

Undersigned having built a large stable and with sheds for the accommodation of the
keeps constantly on hand Riding Horses, also
Carrages and Carriage Horses, for sale or let on
able terms.
WM. H. HARDY,
JAMES TUTTLE, Agent.

STORE.

Hardware, Tin and Sheet Iron Ware,
and Miner's Tools, for sale by
WM. H. HARDY,
Prescott, Arizona, Dec. 19, 1865.

JAMES GRANT

Constantly on hand
Flour, Bacon,
Lard, Butter,
Cheese, Coffee,
Dried Fruit, Sugar,
Soap, Candles,
Coal Oil, Honey,
Canned Fruits and Vegetables,
and with a general assortment of

GROCERIES AND PROVISIONS.

FOR SALE CHEAP AT THE
CASH STORE.

Prescott, January 20, 1866. 24f

G. W. BARNARD,

SADDLER AND HARNESS MAKER,
Granite Street Prescott, Arizona.

PRESCOTT ADVERTISEMENTS.

CAMPBELL & BUFFUM,
West side of the Plaza, Prescott, Arizona,
GENERAL DEALERS IN
GROCERIES & PROVISIONS,
Foreign and Domestic Wines and Liquors,
TOBACCO AND CIGARS.
And a general assortment of such articles as families and miners need. Our goods are all of the best quality, and at reasonable prices.
FOR CASH ONLY.
JOHN G. CAMPBELL,
W. M. BUFFUM.
Prescott, June 1, 1869. 111f

GROVER & BAKER'S

CELEBRATED ELASTIC STITCH
Sewing Machines

Are offered to the public as preferable to all others for the following reasons:

1. They are more simple and durable, and less liable to derangement.
2. They sew from ordinary reels, and no re-winding of thread is necessary.
3. They sew with equal facility all fabrics, the most delicate and the heaviest, and with all kinds of thread, silk, cotton or linen.
4. They stitch, hem, fell, cord, bind, tuck, gather, quilt, braid and embroider with equal facility.
5. They fasten both ends of the seam by their own operation, and the seam is so strong and elastic that it never breaks, even on the bias.
6. The seam is more plump and beautiful, retaining its plumpness and beauty after washing better than any other, and though cut at every sixth stitch remains firm, and neither runs nor ravel in wear.
7. The seam can be removed in altering garments after proper instructions without picking or cutting them.
8. These machines are more easily kept in order than any other, and need not be taken apart to be oiled.
9. Watching and varying the tensions upon the thread, necessary in other machines, is unnecessary in these. The tension being once adjusted on the Grover & Baker Machine, any amount of sewing may be done without change.
10. They make beautiful embroidery without any change of arrangement, simply by inserting threads of suitable sizes and colors for this purpose. They are the only machines that both embroider and sew perfectly.
11. The work done by these machines cannot possibly be equalled by any other, and it has always received the first premium over all competitors wherever exhibited.
12. Every machine guaranteed, and instruction to purchasers gratis.

Upwards of 150,000 of these machines are now in use in all parts of the world.

Experience proves that there are only two valuable sewing machine stitches—the Grover & Baker stitch, and the shuttle stitch, by some called lock stitch. These stitches have each their peculiar merits and excellencies. For some purposes the one stitch is better adapted, and for some purposes the other, and a selection should always be made accordingly. The Grover & Baker S. M. Co. manufacture, in addition to their celebrated Grover & Baker stitch machines, the most perfect shuttle or lock stitch machines in the market, and afford purchasers the opportunity of selecting, after trial and examination of both, the one best suited to their wants. Other companies manufacture but one kind of machine each, and cannot offer this opportunity of selection to their customers. The Grover & Baker S. M. Co. are the only parties who manufacture and sell machines which both sew perfectly and embroider perfectly. Needles can be easily sent to all parts of the country, and small amounts in payment therefor may be remitted in payment therefor.

GROVER & BAKER SEWING MACHINE CO.
Orders received by
ROBERT MEACHAM, Agent,
Cortez Street, near plaza,
Prescott, Arizona.

QUARTZ MOUNTAIN MILL.

The attention of the public is called to the fact that we have removed facilities for the manufacture of all kinds of lumber for building purposes, for mills and mining. Having become established with the credit system as now practiced here, we have succeeded from this time to create no one, and have fixed the prices of lumber at the mill as follows:
For good merchantable lumber, \$60 per M.
Second quality, \$30 per M.
Clear lumber, \$100 per M.
Terms, cash on delivery, payable in U. S. gold coin, or its equivalent in currency.
A. O. NOYES, Agent.
Prescott, Nov. 21, 1865.

A. E. CRANE & CO.,

Near Planet Mining Camp, 12 miles east of Aubrey City, on Williams' Fork,
WILL OPEN A STORE

About October 1st, with the best selected assortment of
Provisions, Clothing,
Mining Implements, etc., etc.

Together with
Guns, Pistols and Ammunition, in large variety and quantity,
for sale cheaper than elsewhere in the Territory, as our San Francisco house is the sole agents for
REMINGTON & SONS' PISTOLS.

On the Pacific coast, and we can afford to sell 50 per cent. cheaper than elsewhere in the Territory.
Also for sale—
10 tons Barley, arriving at same time with our other goods, at *La Paz* prices, one-half freight added.

Packers, miners and the public generally requested to call.
A. E. CRANE & CO.,
Near Planet Mine, Arizona.
August 22, 1866. 172f

OSBORN'S HOTEL.

REOPENED.
BOARD BY THE DAY OR WEEK.
ROOMS WITH OR WITHOUT BOARD.

Prescott, Arizona, Aug. 22, 1866. 15

SAN FRANCISCO ADVERTISEMENTS.

WM. FAULKNER & SON,
IMPORTERS OF
Cards and Card Stock, all Colors; Printing Ink, all Colors; Brasses, Varnish,
Printing Presses, Type,
AND
PRINTING MATERIALS OF EVERY DESCRIPTION.
OLD TYPE METAL.
Machines may at all times be supplied with old type metal, by calling at
411 Clay Street, San Francisco.

ETNA IRON WORKS,

SAN FRANCISCO,
Manufacture
QUARTZ MILL, SAW MILL,
Flour mill, and amalgamating machinery of all kinds.

Sole agents for this coast of the celebrated "Tyler Water Wheel," of which there are now upwards of 1500 in use in the Atlantic States and on this Coast. Circulars giving full particulars forwarded to any one desiring.
Wheeler & Randall's, Hephurn & Peterson's Amalgamators, and all other kinds, furnished at short notice.
Agents for the Pacific Coast for
Dunbar's Piston Packing.
Any number of recommendations can be furnished for this Packing from parties using the same in this city and Sacramento.
Hanscom's Crusher.
The best now in use in this State.
Particular attention will be given to drawings of all kinds of machinery. Parties purchasing machinery will be furnished with a set of drawings of the same free of expense.
By strict attention to business, we hope to merit the patronage of the public, and shall always endeavor to be prompt and give satisfaction to our customers.
15m3
Hanscom & Co.

CLARKE'S

NEW SCHOOL GEOGRAPHY.

By Charles Russell Clarke, A. M.

This is a new School Geography of the world. It has been prepared by a practical teacher of thirteen years' experience, for use in the Pacific States. The demand for it seemed imperative, owing to the vastness and novelty of the interests of this portion of the Union, and meagre space allotted to them in other geographies. It contains a condensed and practical plan of California, Oregon, Nevada, Washington, Idaho, Montana, Utah, Colorado, New Mexico, or Arizona, should learn something more of his own State than can be gleaned from a few imperfect statements, and small, incorrect maps of the Pacific domain. The special features of this Geography are the following: 1. A large amount of text devoted to the Pacific States. The sections and interests of each are reviewed in detail. 2. New and correct maps, general and local, of the Pacific coast is placed foremost, so that the pupil begins his study of the world at home. 3. The States of the whole Union are re-grouped on a natural basis. 4. When foreign countries are treated, special attention is directed to those countries with which the Pacific States hold direct intercourse, to-wit: Mexico, Central America, South America, Eastern Asia, Japan, and Oceania; British Columbia and Vancouver island are treated with especial fullness. 5. The book aims to serve as the training book of a habit of connecting cause and effect. Thus the great laws of Physical Geography are constantly brought before the pupil's attention. 6. New generalizations are presented in connection with the Hemispheres, the Continents, and the Grand Divisions. 7. In the Introductory Lessons, division, and analysis are presented in connection with Astronomical and Mathematical Geography, Industrial Geography, Political Geography, and the Geography of Civilization. The definitions in Physical Geography are illustrated by home examples. 8. This book must serve a purpose with pupils studying it, by deepening their interest in their own State, and cultivating a patriotic attachment to their Pacific home. 9. The Map Questions are reduced in number; and the Text Questions are written so as to call out the causes of facts, as well as the facts themselves. 10. The mechanical execution of the work is of the first order. 11. The illustrations and the illustrations are of the first order.
Published by H. H. BANCROFT & CO.,
Booksellers and Stationers, San Francisco, California. 15

SAN FRANCISCO

PIONEER SCREEN WORKS.

JOHN W. QUICK, Manufacturer,
REMOVED TO
Vulcan Iron Works, Fremont St.,
Bet. Mission and Howard, San Francisco.

SCREEN PUNCHING IN ALL ITS BRANCHES.

Quartz mill owners using my RUSSIA IRON SCREENS will save two hundred per cent. Guaranteed to be the best and cheapest in use on the Pacific Coast, and will not rip or tear.
Orders solicited and promptly attended to.
N. E. J. W. Quick is the only competent and successful manufacturer of screens on this coast, having made screens for the principal mills for California and the adjoining Territories for many years.
17m3

V. CUSHING,

Agent for the purchase and shipping of
MACHINERY OF ALL KINDS.

Special attention given to Quartz Mill Machinery and Findings, and Miners' Material of every description. Being a Practical Machinist, and giving my personal attention to the execution of orders, I can guarantee the best class of work at the lowest prices in the city. Having completed arrangements with Horace McMurrie & Co., 32 Kilby Street, Boston, and houses in New York, I am prepared to furnish Machinists' Tools of every description, Cotton and Woolen Mill Machinery, etc., at the lowest manufacturer's prices. Parties in the eastern States will be reliably furnished with costs of Mining Machinery of every description on application.
Refer by permission to Governor F. F. Low, C. T. Meader, Stockton, Jacob Underhill & Co., San Francisco, J. W. Stowe, Russell & Erwin Manufacturing company, Coffey & Risdon, San Francisco, George K. Guyas, Chief Engineer California Steam Navigation Company, San Francisco.
Office No. 130 Front St., San Francisco. 17m3

LOUIS ESMARK.

Information wanted of the whereabouts of Louis Esmark, a Norwegian. He was employed by Mr. Eesterday, of San Luis Obispo county, New Mexico, which place he left the latter part of 1859 or beginning of 1860, overlaid for California, and has not since been heard from. Any information of him, whether living or dead, will be thankfully received by
Care of Tay, Brooks & Barkus,
San Francisco, California.
17m3

NEW YORK ADVERTISEMENTS.

STEEL PEN WORKS,

Factory, Camden, New Jersey.

R. ESTERBROJK & C^t.

STEEL PEN MANUFACTURERS
WAREHOUSE—402 Arch Street, Philadelphia;
42 John Street, New York.

These Celebrated Pens are of Genuine American Manufacture, and comprise every style in the Market, and are equal in finish, elasticity and fineness of point to the best imported. They are, therefore, sure to gain the confidence of the American public.

Samples and prices on application.

Lots made to order, of any pattern or stamp required.
For sale to the trade at the Manufacturer's Watchhouses, as above; and at retail by all Stationers, Booksellers and News Dealers in the United States.
11 f
R. ESTERBROJK & CO.

GROVSTEEN & CO.,

Piano Forte Manufacturers,
430 Broadway, New York.

The attention of the public and the trade is invited to our New Scale Seven Octave Rose Wood Piano Fortes, which for volume and purity of tone are unequalled by any others offered in this market. They contain all the modern improvements, French grand action, harp pedal, iron frame, over-string bass, etc., and each instrument being made under the personal supervision of Mr. J. H. Grovsteen, who has had a practical experience of over thirty years in their manufacture, is fully warranted in every particular.
The "Grovsteen Piano Forte" received the highest award of merit over all others at the
Celebrated World's Fair!

Where were exhibited instruments from the best makers of London, Paris, Germany, Philadelphia, Baltimore, Boston and New York; and also at the American Institute for five successive years, the gold and silver medals from both of which can be seen at our warehouses.

By the introduction of improvements we make a still more perfect Piano Forte, and by manufacturing largely with a strictly cash system, are enabled to offer these instruments at a price that will preclude competition.

PRICES.

No. 1, Seven Octave, round corners, Rose-wood Plain Case, \$300
No. 2, Seven Octave, round corners, Rose-wood High Moulding, \$325
No. 3, Seven Octave, round corners, Rose-wood Louis XIV style, \$350

TERMS—Net cash in current funds.
Descriptive circulars sent free. 11

SANTA FE

Stage Company.



Through route from Denver, Colorado, to Kansas City, Missouri, Santa Fe, New Mexico, and the Arizona Gold Mines.

U. S. Mail, Passenger & Express.

Coaches leave the office of the company in Denver, Colorado, every Wednesday morning, for Kansas City, Missouri, and Santa Fe, and other points in New Mexico, making quick time, and affording every reasonable accommodation to passengers and shippers of express.
Coaches leave Kansas City every Friday for Denver and Santa Fe.
Merchants and others desiring goods forwarded by this express will instruct forwarders from the East to mark goods.

Care Santa Fe Stage Company, Kansas City, Missouri.

Office in Denver, at the Fire and Life Insurance Agency of George E. Crater, opposite the Branch Mint. 610-2. K. CRATER, Agent.

ST. LOUIS ADVERTISEMENTS.

CLOCKS.

Manufacturer's Depot,
No. 88 North 5th Street, corner St. Charles,
ST. LOUIS, MO.

Here will be found every variety of
AMERICAN CLOCKS,
AND
CLOCK MATERIALS,
with all the advantages of the Eastern market in regard to both selection and price.
Send for illustrated catalogues.
96m
HENRY W. EDES,
Proprietor.

PLANT & BROTHER,

Established in 1845.
Agricultural Machinery,
Garden and Field Seeds,
House, Packing and Pumps,
Rubber and Leather Belting.

Sign of the GILT PLOW.

ST. LOUIS, MO.
Send 5 cts. for postage for Illustrated Catalogue. 65m

THE MINING LAW,

AS ADOPTED BY BOTH HOUSES OF CONGRESS AND APPROVED BY THE PRESIDENT.

An Act to legalize the occupation of mineral lands, and to extend the right of pre-emption thereto.

SECTION 1. The mineral lands of the public domain, both surveyed and unsurveyed, are hereby declared to be free and open to exploration and occupation by all citizens of the United States, and those who have declared their intention to become citizens, subject to such regulations as may be prescribed by law, and subject also to the local custom or rules of miners in the several mining districts, so far as the same may not be in conflict with the laws of the United States.

SEC. 2. And be it further enacted, That whenever any person or association of persons claim a vein or lode of quartz, or other rock in place, bearing gold, silver, cinnabar or copper, having previously occupied and improved the same according to the local custom or rules of miners in the district where the same is situated, and having expended in actual labor and improvements thereon an amount of not less than \$1,000, and in regard to whose possession there is no controversy or opposing claim, it shall and may be lawful for said claimant or association of claimants to conform to the local laws, customs and rules of miners, and to enter such tract and receive a patent therefor, granting such mine, together with the right to follow such vein or lode with its dips, angles and variations to any depth, although it may enter the land adjoining, which land adjoining shall be sold subject to this condition.

SEC. 3. And be it further enacted, That upon the filing of the diagram as provided in the second section of this act, and posting the same in a conspicuous place on the claim, together with a notice of intention to apply for a patent, the Register of the Land Office shall publish a notice of the same in a newspaper published nearest to the location of said claim, and shall also post such notice in his office for the period of ninety days; and after the expiration of said period, if no adverse claim shall have been filed, it shall be the duty of the Surveyor General, upon the application of the party, to survey the premises and make a plat thereof, endorsed with his approval, designating the number and description of the location, the value of the labor and improvements, and the character of the vein exposed; and upon the payment to the proper officer of \$5 per acre, together with the cost of such survey, plat and notice, and giving satisfactory evidence that said diagram and notice have been posted on the claim during said period of ninety days, the Register of the Land Office shall transmit to the General Land Office said plat, survey and description; and a patent shall issue for the same thereupon. But said plat, survey or description shall in no case cover more than one vein or lode, and no patent shall issue for more than one vein or lode, which shall be expressed in the patent issued.

SEC. 4. And be it further enacted, That when such location and entry of a mine shall be upon unsurveyed lands, it shall and may be lawful, after the extension thereto of the public surveys, to adjust the surveys to the limits of the premises according to the location and possession and plat aforesaid, and the Surveyor General may, in extending the surveys, vary the same from a rectangular form to suit the circumstances of the country and the local rules, laws and customs of miners; provided, that no location hereafter made shall exceed two hundred feet in length along the vein for each locator, and with an additional claim for discovery to the discoverer of the lode, with the right to follow such vein to any depth, and with all its dips, variations and angles, together with a reasonable quantity of surface for the convenient working of the same as fixed by local rules; and provided further, that no person may make more than one location on the same lode, and not more than three thousand feet shall be taken in any one claim by any association of persons.

SEC. 5. And be it further enacted, That the President of the United States be, and he is hereby authorized to establish additional land districts, and to appoint the necessary officers under existing laws, wherever he may deem the same necessary for the public convenience in executing the provisions of this act.

SEC. 6. And be it further enacted, That whenever adverse claimants to any mine located and claimed as aforesaid shall appear before the approval of the survey, as provided in the third section of this act, all proceedings shall be stayed until a final settlement and adjudication in the Courts of competent jurisdiction of the rights of possession to such claim, when a patent may issue as in other cases.

SEC. 7. And be it further enacted, That wherever, prior to the passage of this act, upon the lands heretofore designated as mineral lands, which have been excluded from survey and sale, there have been homesteads made by citizens of the United States, or persons who have declared their intention to become citizens, which homesteads have been made, improved and used for agricultural purposes, and upon which there have been no valuable mines of gold, silver, cinnabar or copper discovered, and which are properly agricultural

lands, the said settlers or owners of such homesteads shall have a right of pre-emption thereto, and shall be entitled to purchase the same at the price of \$1.25 per acre, and in quantity not to exceed 160 acres; or said parties may avail themselves of the provisions of the act of Congress approved May 20, 1862, entitled "An act to secure homesteads to actual settlers on the public domain," and acts amendatory thereof.

SEC. 8. And be it further enacted, That upon the survey of the lands aforesaid the Secretary of the Interior may designate and set apart such portions of the said lands as are clearly agricultural lands, which lands shall thereafter be subject to pre-emption and sale as other public lands of the United States, and subject to all the laws and regulations applicable to the same.

SEC. 9. And be it further enacted, That whenever, by priority of possession, rights to the use of water for mining, agricultural, manufacturing or other purposes have vested and accrued, and the same are recognized and acknowledged by the local customs, laws and decisions of Courts, the possessors and owners of such vested rights shall be maintained and protected in the same; and the right of way for the construction of ditches and canals for the purposes aforesaid is hereby acknowledged and confirmed; provided, however, that whenever, after the passage of this act, any person or persons shall, in the construction of any ditch or canal, injure or damage the possession of any settler on the public domain, the party committing such injury or damage shall be liable to the party injured for such injury or damage.

SEC. 10. And be it further enacted, That the right of way for the construction of highways over public lands, not reserved for public uses, is hereby granted.

SEC. 11. And be it further enacted, That as a further condition of sale, in the absence of necessary legislation by Congress, the local Legislature of any State or Territory may provide rules for working mines involving easements, drainage, and other necessary means to their complete development; and those conditions shall be fully expressed in the patent.

EHRENBERG'S VIEWS.

The *Atlas* of July 28th, contained Mr. Ehrenberg's third letter from Prescott, which embraced a detailed description of our mills and their location. He concludes with the following hopeful view of Central Arizona:

"If we take into consideration the great disadvantage under which this country has labored, and nearly the entire absence of outside capital, we can but come to the conclusion that the erection of so many mills, within a year, speaks well for the confidence the people here have in the mines, and for the gradual but steady progress of the Territory; much more so than the New York stock bubbles in Southern Arizona, where over a million has been expended in injudicious works, in costly houses and machinery, and even in miles of telegraph, connecting the mines with the Director's office, while the mines, whence all this outlay of capital was to be repaid a thousand fold, were entirely neglected, or worked by men who never saw a mine before and who lost the vein wherever the least irregularity occurred. By such gigantic failures, a fair and valuable section of country and good veins have been injured to an incalculable extent, only to be repaired by individual enterprise, which, although on a modest scale, is crowning with success the efforts of a few of the old settlers now. Of these, we have to mention the mine owned by Messrs. Sully & Pacheco, near Tucson, and the Pico mine of Calabali, worked by a Mexican merchant from Magdalena, in Sonora; both are a decided success. These are silver mines. Mr. Padros is down on the vein in two shafts, 150 feet each, and has been at work for the best five years, during which time a large amount of silver has been produced, considering the available means. Some fifty or sixty men are employed. Neither of these two parties have steam power or mills; the ores are ground in arrastras, by mule power, and whenever these are changed for modern mills the mines themselves must furnish the necessary funds to procure them.

The only bad feature about this section of country is, that the actual work on the numerous mines is not at all commensurate with the mill power going up; and here, as everywhere in the United States, the fatal idea seems to prevail that a mill and a vein, or lode, is all that is needed to ensure success, and but few see the necessity of an extensive opening of the lode at first, without which a lode is not a mine by any means. Such opening in a systematic manner is an absolute necessity in most cases, that a permanent and steady supply of ores may be forthcoming at all times, after the mill is started. The neglect of this important point is often due to the want of requisite means or a working capital, independent of the machinery and lode; that is, our vein or claim-owners are generally not rich enough to open their mines to any extent with their limited means, if any at all; and the mill-owners are frequently in the same predicament, in which case nothing is left but to grasp until a final settlement and adjudication in the Courts of competent jurisdiction of the rights of possession to such claim, when a patent may issue as in other cases.

SEC. 7. And be it further enacted, That wherever, prior to the passage of this act, upon the lands heretofore designated as mineral lands, which have been excluded from survey and sale, there have been homesteads made by citizens of the United States, or persons who have declared their intention to become citizens, which homesteads have been made, improved and used for agricultural purposes, and upon which there have been no valuable mines of gold, silver, cinnabar or copper discovered, and which are properly agricultural

A sporting Duke in England bet £100,000 on one of his horses. That's only \$900,000.