TIP TOP TUNGSTEN

OMANCE, adventure and quick fortunes, alternating with disappointment, discouragement and bankruptcy always have and no doubt

always will attend the business of mining in greater measure than any other legitimate business, for reasons apparent to all, conditions which are a standing invitation to the speculator and the crook. But as in social life the real romance surpasses in interest the most weird climaxes of the fictional drama, so in mining the work of the speculator and the crook are but the froth that foams above the legitimate drama of the business as real as anything human can be, normally developed from ever chang ing conditions. More often than otherwise, such incidents of mining attend the rejuvenation of old mines that lived through the froth of early romance to an honorable and glorious fame, then lapsed into coma, sometimes for long periods, pending the shifting of the scenes for a greater development and a wider fame. Among many such instances in Arizona may be mentioned Ray and the United Verde among the coppers, Vulture, Congress, Pearce and Harqua Hala, in the golds, Tombstone, Magma and Tip Top among the silvers, and others among the old time proved properties could be mentioned where the same transformation will occur when the psychological moment ar-

This story deals exclusively with the Tip Top which in the early 80's was the state's most famous silver mine and which may now be hailed hundreds of feet and its ore bodies briefly, something of

effected its closing. The watchman which the annals of history place to

The Rejuvenation of a Historic Silver Mine

acquired title. He worked it by leases romantic in the history of the then for several years then sold it to the territory. Agriculture in Arizona was St. Louis and Yavapai Company. They little more than a joke. Cattle raismoved the mill to Tip Top from the ing was an infant industry but a proftown of Gillett, a few miles distant itable one, to the extent of supplyon the old Black Canyon stage road ing the mining camps and army posts between Phoenix and Prescott and which were numerous. Merchandising



THE MILL AND THE HOIST Courtesy of "Yavapai"

judice to any other of several famous Reference to the silver values recove to it. operating so continuously that answer no. On the contrary there is

exposed. The romance, as different company stopped operations leaving mine and the towns that lived off from other mines, lies only in the a watchman in charge who failed it, but with the carefulness of the from ores above the 200 foot level fact that save to the knowledge of to do the assessment work, when it officials in protecting the treasure for the mine when first abandoned only a few people, the enormous tung was jumped by the Wager Brothers even that great property could not was allowed to fill with water below sten deposits were known only as Eight years ago they formed the Tip keep up the robbers' dividends. zinc or some other still cheaper and Top Heath Mining and Milling Co. and Today Turkey station on the Brad- was opened and explored to the depth baser metal, tungsten if known was built a small mill which did not oper shaw railroad is only 35 miles from of 800 feet where the same inviting worth but half its present price, and ate successfully on the tungsten ores Tip Top; and Phoenix, 50 miles disconditions prevailed, but was only went to the waste dumps or to back which were then claiming their value. tant, with a down grade haul, is fast stoped to the depth of 500 feet. In filling in abandoned stopes. Silver Lack of funds necessitated closing becoming a railroad center. was the main thing sought while tung- down. Last October the directors desten was not then even a by-product. cided to sell the property to secure Now tungsten is king with silver as money to take care of its indebtedness the by-product, though with the bet- and it was taken over on a bond by ter price of silver and better working A. F. Muter. Since that time several conditions, even that metal alone thousands of dollars have been spent again makes it a valuable property in exploratory work, the proving of That the reader may be qualified to values and ore reserves already disappreciate the statement of what is closed and about two weeks ago, Mr now being done with the Tip Top Muter, together with W. W. Elliott, mine it will be illuminating to recite and C. W. Davis who have been associated with him since his connection with the property, organized the Tip It was discovered in 1876 and was Top Consolidated Mining Co., with purchased shortly after by Hagen the modest capitalization of \$375,000. Head and Hearst of San Francisco, the par value of stock being 25c. Rewho worked it until the early 80's, verting to the days when Tip Top when the low price of silver and terri- held the center of the stage and when fic expenses of operation, no nearer it was engaged in producing the greatto a railroad at that time than Yuma, er part of the four million dollars

left in charge, sued the company and its credit, the period was the most worked the old dumps over for sil- was a get rich quick game for those properly located and with capital enough to operate, but hazardous for anyone else. Rapidly recurring Indian outrages furnished the excitoment of the day. Mining was the overshadowing industry, gambling and drinking whiskey were the chief amusements and stage robbing though ly with working over the old dumps never publicly approved of was regarded as more or less of an accomplished profession.

When Tip Top was discovered there was not a mile of railroad in Ariboth transcontinental lines were completed across the state and the old ments was a little over 108 ounces Black Canyon stage line via Gillett per ton. Several shipments varied bewas the main artery of travel between tween that and 300 ounces but a ma them. Next to Indian outbreaks the jority of the shipments returned benews item of the cay was normally tween 300 and 1000 ounces per ton. a stage robbery, usually without tra- Two shipments ran a little over a gic features or anything more serious thousand ounces, one gave 1985 ouncthan the loss of money. That was es and one shipment returned 2,104 no particular shock to the populace ounces. These operations cover the unless it was an unusual haul, for shipments of five or six different leaseven in those days, people knew the ing companies. These figures are During this period the Black Canyon posit the Tip Top is. The next questoral for twenty-five miles each way tion is whether the mine is worked f.om Gillett and Tip Top received so out. By noting the following, relative as prospectively its most famous ver, meantime continuing to operate it brought contumely on their profest he above figures one does not need tungsten property. This without pretide mine through leasers until 1893. sion. Even rank amateurs broke in even to see the mine, to emphatically tungsten deposits, but only because ered by the leasers will be made later the proceeds became disappointing every reason to believe there is yet the Tip Top is already developed for in this story.

The greater part of the loot came disappointing every reason to believe there is yet more silver in it than has ever been In 1893 the St. Louis & Yavapai rectly or indirectly from the Tip Top taken out.

On the surface of the property were two parallel veins which development disclosed came together at the depth of 350 feet. Thus far the foot wail vein had been extremely rich. Below the junction the vein was wider but lower grade and most of the ore had to be concentrated in the mill erected at Gillett on the Agna Fria river. It was then that active operations ceased due to the lower grade ore, expensive concentration and the fact that every ton of ore sent out or every ton of supplies brought in via Yuma entailed an expense of about \$200. Only ore that ran \$400 per ton or better could be handled to a profit.

The St. Louis & Yavapai Company, which later concerned itself ontook out some \$235,000 worth of silver. The present owners of the prop erty have the accurate record of 49 shipments of ore by leasers during the same period and the values per zona. though before its glory waned ton, recovered. The very lowest re-Arizona hills held plenty more of it. only to show the sort of a silver demuch attention from the bandits that to development work, after reading

The above records of values are that depth. Previously however it Continued on page 15



THE MILL AND ONE OF THE DUMPS

Courtesy of "Yavapai"

TIP TOP TUNGSTEN Continued from page 5

oth

who

part

#lobe

the.

ich is

ugged

g cliff

1. The

of one

iton i

and

Finn C

comid

iled

nsure

crime

wish

mb w

ve tra

passem

the in this

ling us

themas

cure any

Adreson

CAGE CL

TTVE

x, Arizon

Mgr. eni-

lob

no

the upper workings many tons of ore that would now be regarded of fine value but which were of too low trade for profitable working under roken, and needing only hoisting to

has been taken from a single shoot say nothing of what will be revealed also been taken from two other shoots work. that crop on the surface. A little

old conditions, were left in columns and running parallel is known as the and C. W. Davis, the president, lives ustaining the roof, over the old Joker. It was stoped to the depth at the Jefferson hotel, Phoenix, while topes. These were filled in large of 150 feet and produced good values. art by the black refuse that later identical in general character; though W. W. Elliott, superintendent, will be ears have proved to be tungsten, a narrower vein. The original com- in charge of affairs at Tip Top. a values exceeding the worth of the pany started a crosscut to the Joker original silver with which they were on the 500 level which will doubtless sociated, so these old stopes and be connected when the mine is again he three big dumps are now store unwatered, thus making available still ouses of rich tungsten ore, already more stoping ground. The larger vein varies from six inches to five advised by a correspondent in Calhe mill. By drawing some of the feet in width but is well defined so ifornia that a variety of wheat is old chutes above the 200 level, the far as can be explored at this time being advertised under the name "Tiresent management has uncovered and according to those who having tantic." The assertion is made that everal of the low grade blocks of ore worked in the mine have seen it as it is a new variety of wheat discovggregating 1000 tons that will aver- deep as the 800 foot level. It is un- ered in England about four years ago. ige 40 ounces in silver and 8-10 per questionably a fissure, and permanent, and that a small quantity of seed was ent tungstic acid. These bodies with as indicated by its formation as well brought to the United States by one liver at 60c and a recovery of 90 per as the fact that it is well defined of the survivors of the ill-fated Titanint and with tungsten at \$75 per for thousands of feet on the surface. ic. The wheat is represented as havmit and with 75 per cent recovery, The ore is a banded formation with ing extremely high yielding power, could return a value of \$66,000. Best alternating streaks of black and light the returns reaching as high as 7,all so far as these disclosures are er colors and with the silver values

600 feet long though good ore has by unwatering or later development

The headquarters of the company drifting should expose both at depth. is at Prescott where F. L. Haworth, The second vein on the property secretary, is in charge of the office. Mr. A. F. Muter, the engineer and Mc.

"TITANIC" WHEAT

The Department has recently been 000-fold. A photograph sent by this corespondent shows a head identical in appearance with the widely exploited "Alaska" wheat. Five acres of the wheat are said to be growing in the State of Washington, and the seed, it is believed, will be offered at high prices after harvest. The Department has no further or more definite information concerning this variety, but farmers and dealers are cautioned to be on their guard concerning this new exploitation.-U. S. Department of Agriculture.

The Golden State Mining & Milling Co. has leased its holdings to W. H. Dougherty and W. E. Clem for a period of two years. The mines are situated in the Black Rock and Blue Tank districts and the group comthey verify accurately the stor- predominating on the upper side of prises the Golden State, San Francisco, Buckhorn and Gilbert House claims. The lessees will mine and treat the ore at their own expense, paying to the company certain stipulated royalties.

Highest Quality

At Right Price characterize the

FLOUR AND FEED produced by the largest mill devoted to this industry in Arizona

And the Mill is the largest only because it has invariably produced Flour and Feed of the Highest Quality at the Right Price.

Write for prices on carload lots and other information of value

The Eagle Milling Co. TUCSON, ARIZONA

GOVERNMENT LAND

ou want some good Government if so, why not acquire title without

SCRIP

Write for particulars

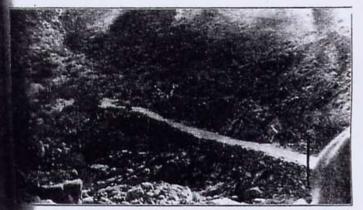
FEN S. HILDRETH SCRIP CO.

Suite 210 Phoenix National Bank Building PHOENIX, ARIZONA

PETTID'S BAKERY

Phoenix : Arizona

RHODE ISLAND WHITES-Both Rose and Single comb. High grade breeding and show stock for Eggs for hatching; bred to lay. Shorewood Farms Co., Saugatuck, Mich. n-4



ROAD TO TIP TOP MINE

-Courtesy of "Yavapai"

the vast quantities of tungsten inate on the other side. dsposed of in those days as matter of no value.

ed to the depth of 150 feet between that point and the of the veins leaves a body flver.

ae tungsten value.

the surface. Most of the ore in sight and in place is \$966,600, to

men who delved in those dark the ledge, while the tungsten values. many years ago and have formerly regarded as waste, predom-

There is only one more word to add and that it that the gentlemen above was all on the foot wall concerned honestly expect to get rich The hanging wall vein was on out of the ore values in their property rather than out of stock operations. They have spent \$12,000 in actual experimental work that they 600 by 2 feet. Three thousand might not be deceived as to the value of ore taken from this vein of the ore. Satisfied on that point imple gave returns of 167 ounc- they have secured a property it will Discounting the size of take a lifetime to thoroughly work n and the value of the ore by even to the depth of present exploracent the owners estimate this tions and on which no "development" of ground to be worth at least work is required save the cost of unwatering. There is over a mile of the have been spent in prov- underground development at this values of the old ore now avail-Grab samples and assays from of water, and water above the thousmps have been checked by ton and foot level, is the easiest digging ctually run through the mill so a miner ever encountered. Some monconservatively stated that the ey will be needed for mill construcalone will furnish 20,000 tons tion, pumping, etc., and to that end carrying 13 ounces in silver a limited amount of the stock is ofo-tenths per cent tungstic acid. fered at PAR value, 25c per share. The ope filling is estimated at 20,- market is not to be flooded with stock s of 17 ounce silver ore and for that owned by the promoters is all pooled, and as mentioned before, Tip Top ore occurs in a fine fis- the total capitalization is only \$375,n that can be traced for 6,000 000 while the estimated value of ore



DRUGS BEARS



Sell Drugs by Mail PAY THE POSTAGE TOO.

You Can Depend Upon

The Bear Drug Store PHOENIX, ARIZONA



STATE AGENTS FOR THE

L. C. Smith and Corona

THE Mc NEIL CO.

126-32 W. Washington St. Phoenix, Arizona