

KERFOOT TALKS OF NEW OFFICE

Assaying of Bullion and Local
Settlements With Owners Im-
portant Considerations.

EXPLAINS COMPLETE PROCESS

Course of Gold from Receipt to Sale
Entertainingly Described for
The Layman.

L. S. Kerfoot, of the United States
treasury department who is superin-
tending the installation of a federal
assay office in Salt Lake, said this
morning that the general public and
even those interested in the install-
ment of the assay office hardly realize
the great advantages to the state and
district of this new move of the treas-
ury department. It is planned to open
the office Jan. 1, 1909.

The gold and silver bullion which
is produced in this district will be tak-
en to the assay office and after being
assayed, the mint, through the local
assay office, will pay for the bullion the
amount after the assay is made. The
money will be paid out in Salt Lake
and will be deposited in Salt Lake
banks and as it is given out here much
of it will be spent here. To give an
idea of the amount of money handled
by an assay office of this type, Mr.
Kerfoot said that on the establishment
of the Seattle federal assay office it
was calculated that the output would
be approximately \$2,000,000. One year
after the office had been in operation
it was found that instead of \$2,000,-
000 the output amounted to \$2,000,-
000. Therefore even an approxima-
tion of the amount to be handled by
the new office is impossible, but it
will climb into large figures
according to the productiveness of the
district.

ONLY FIRST MOVE.

The establishment of a federal assay
office here is also the first move to-
ward having a United States gold re-
finery here. Mr. Kerfoot said that he
did not know that such would be the
case but, as it had proven in other

A Dimple Maker

Find a child with dimples and
chubby arms and legs and you
find a healthy child. Find one
with drawn face and poor, thin
body and you see one that needs

Scott's Emulsion

Your doctor will tell you so.

Nothing helps these thin, pale
children like *Scott's Emulsion*.
It contains the very element of
fat they need. It supplies them
with a perfect and quickly
digested nourishment. It brings
dimples and rounded limbs.

Send this advertisement, together with name of
paper in which it appears, your address and four
cents to cover postage, and we will send you a
"Complete Handy Atlas of the World."
SCOTT & BOWNE, 409 Pearl Street, New York

cities, it might mean in Salt Lake, in
time, the location of a federal re-
finery.

Another and not an insignificant ad-
vantage of having an assay office here
is the saving to mine owners and
banks of the freight and insurance in
shipping bullion. At present the bul-
lion is shipped to Denver, where the
nearest assay office is now located.
The freight on each \$1,000 amounts
to about \$2, and the insurance the
same. When large shipments of bul-
lion are made the time in traveling
between Salt Lake and Denver is con-
siderable and the interest upon the
gold shipped goes up fast.

A government assay office is a re-
ceiving depot of the mint and the
employees of such an office hold quite
as responsible positions as do the em-
ployees of the mint. All in con-
nection with the local office will be re-
quired to put up a heavy bond.

THE WORK DONE.

Following is the process to be used
and the arrangement of the work as
explained by Mr. Kerfoot.
Seven members of the office staff,
those who do the practical work of
assaying, will be civil service men,
who have taken and passed the civil
service examinations. The senior in-
spector and cashier will be appointed by
the president.

No bullion will be received with-
out more than 800 parts in the 1,000 parts
of base, that is, more than eight
tenths foreign material. Any quantity
of bullion will be received sufficient
in value to pay the assaying charges.
The charge will be \$1 per assay re-
gardless of the size of the bar or quan-
tity of bullion. An additional charge

of 4 cents per ounce for refining will
be charged and in particular cases an
alloy tariff will be charged. The of-
fice will be arranged so that the pub-
lic or owners of bullion can watch
their bullion through the entire pro-
cess until the cashier writes a check
to their order on the New York bank.

GUARD AGAINST DECEPTION.

Two clerks will receive the bullion
and each weigh it independently of the
other; they will then compare their
respective weights in the presence of
the owner of the bullion. The metal
will then be taken to the melting room
where it will be melted in a bar. This
is to see that the metals in the bar are
thoroughly mixed. Mr. Kerfoot cited
a case in San Francisco where silver
bullion had been sold gold plated with
the object of deceiving the mint of-
ficials. The melting is done to guard
against such deceptions. The samples
will then be taken by two assessors.
One will take a sample from the top
of the bar and the other from the bot-
tom of the bar. Each assayer will
make a test of the gold showing the in-
dependent of the other and they will not be
allowed to compare notes.

Each assayer will weigh out a given
amount of the gold showing the in-
dependent of the other and they will not be
allowed to compare notes.
The sample will be wrapped in
lead and two-thirds the amount of
silver that there is gold will be added.
The sample will then be fused in a
gas furnace and the lead, copper or
whatever base metals the sample may
contain will be oxidized and thus driven
off or will be absorbed in a cupel of
bone-ash. The silver and gold will re-
main in this cupel, a small round
button. This button will then be rolled
into a thick foil and placed in a flask
with dilute nitric acid which will dis-
solve the silver and leave the gold in
the bottom of the flask as a black
spongy mass. This mass will be re-
moved and the silver in the furnace when
the black portion of the sediment, carbon
will be burnt up and leave the gold
bright and shiny. This is called the
annealing process.

READY TO WEIGH.

The gold is then ready to weigh, as
it has been separated from all base
metals such as copper, iron, etc., and
other foreign matter that might have
been present. The weighing is done on
very delicate scales which weigh to
five-hundredths of one milligram. These
scales are so fine that they will weigh
a dot upon a piece of paper. The two
assayers weigh the product of their
samples separately and when the re-
sults are compared they must agree
within four one-thousandths of the scale.
If there is any difference in the original
weighting of the sample, while the as-
say is in the furnace, that none of the
gold is lost, the sample is weighed with
volatilizing base metals, a small quan-
tity of borax is added which floats upon
the top of the molten metals. Upon
pouring some of the gold remains in
the borax in the form of small globules.
This borax slag is then ground up and

COFFEE

Don't be shy; if you
don't like Schilling's Best,
take back your money.

Your grocer returns your money if you don't
like it; we pay him.

panned and the amount of gold re-
maining is calculated in with the first
weighing.
The gold bullion will be stored in
vending shipment to the Denver or
San Francisco mints. The vaults
will have a double combination, one-
half of which will be in the hands of
each of two clerks, thus it requires the
two men each with their half of the
combination to open the vaults in the
presence of the night watchman who
records each time the vaults are opened.

MUCH CREDIT DUE.

"The Utah senators," said Mr. Ker-
foot, "deserve very much credit for ob-
taining the assay office for Salt Lake
and, in fact, the bill appropriating for
its establishment was the only one of
its kind which went through. Every-
thing was cut last year and the treas-
ury department fought the appropri-
ation but to no avail. The only reason,
which proved sufficient, for opening
up an office here was that Salt Lake
was the only center of a large mining
district which had no federal assay of-
fice. There are at present seven such
offices in the country. I have figured
that the cost of running the office for
the first six months installments, ma-
terial and salaries will amount to \$20,-
000. With the present force the total
of salaries will amount to \$15,000 per
year."

Civil service examinations will be
held in Salt Lake Dec. 2 for the seven
civil service positions connected with
the office. J. U. Eldredge has been re-
commended as assayer in charge.

Ores or minerals of any kind will
not be assayed at the federal office.
Only bullion offered for sale to the mint
will be tested.

CHAMBERLAIN'S THE MOST POPU-

lar.
"We have in stock many colic and
diarrhoea medicines," says R. M. White,
a prominent merchant of Turley Bayou,
Tex., "but sell more of Chamberlain's
Colic, Cholera and Diarrhoea Remedy
for sale by all druggists."

"The Guerrilla"—"War is Hell"—
Sherman, Crescent Theater, All Week.

Expert Kodak Finishing.
Harry Shipley, Commercial Photog-
rapher, 131 South Main, second floor.

Five cars choice Idaho potatoes,
Vogeler's seed store.

COLONEL MASON PROMOTED.

Former Officer of Twenty-Ninth at
Fort Douglas Is Advanced.

The many friends in this city of
Lieut. Col. Charles W. Mason of the
Twenty-ninth infantry, will learn with
interest that he has been promoted to
be colonel of the Eighth infantry, now
in the islands, so he will merely switch
stations, as the Twenty-ninth is in the
Philippines also. Then Maj. Reuben
B. Turner of the Eighth infantry, sta-
tioned as quartermaster of construction
at Boise, and formerly lieutenant and
later captain in the Sixteenth infantry
stationed at Fort Douglas, has been
made lieutenant-colonel of the Twenty-
ninth infantry, to fill Col. Mason's place.
Captain Samuel V. Ham of the quar-
termaster's department, who was sta-
tioned in this city, during the recon-
struction era at Fort Douglas, has been
transferred back to the line, and is
captain in the Twenty-ninth.

The death is noted of First Lieut.
George R. Burdett, retired, at Lincoln,
Neb. The deceased was stationed at
Fort Douglas for a short time late in
the "eighties" but afterwards, for
some time, at Fort Duchesne as an
officer of the Ninth cavalry, under
Lieut.-Col. Randall. It was Lieut.
Burdett who led a troop of colored cav-
alry by forced marches into Rout
county, Colo., where he rescued from
annihilation the green Colorado militia,
who had been sent into the field against
Colorado and his big band of renegade
Indians, ready for a repetition of the
Thornburg massacre. This ride brought
about physical disorders which in 1891
necessitated the lieutenant's retirement
from active service. He was never
given proper credit for his feat; and
the Colorado militia, after being saved
from a second Custer wipe-out, when
the regulars had driven the Indians
back into Utah, marched back to Den-
ver to receive "the plaudits of the mil-
litude as the heroes of the day."

HOW TO TREAT A SPRAIN.

Sprains, swellings and lameness are
promptly relieved by Chamberlain's Lin-
iment. This liniment reduces inflamma-
tion and soreness so that a sprain may
be cured in about one-third of the time
required by the usual treatment, 25 and
30 cents per sale by all druggists.

"The Guerrilla"—"War is Hell"—
Sherman, Crescent Theater, All Week.

PLAYLET PRODUCERS SUED.

Goss, Garrett and Howard Called to
Account for Broken Contract.

Joseph F. Goss, James H. Garrett and
W. H. Howard are made joint defend-
ants in a suit filed in the district court
by Luke Cosgrave, wherein plain-
tiff asks for the sum of \$1,470 as dam-

Does not Color the Hair

AYER'S HAIR VIGOR

ages for the alleged breaking of a con-
tract.

The complaint sets forth that on Sept.
20, 1908, an agreement was entered into
between Mr. Cosgrave and the persons
named, whereby he was to be employed
by them for a period of 42 weeks, at a
salary of \$35 per week, to play the part
of an Indian chief in a certain play
upon the Orpheum theatrical circuit, the
engagement to begin Oct. 11, 1908.
It is alleged that defendants refused
to comply with their part of the con-
tract and put an end to the same, not-
withstanding that plaintiff was at all
times ready to perform his part of the
agreement.

SEVEN YEARS OF PROOF.

"I have had seven years of proof
that Dr. King's New Discovery is the
best medicine to take for coughs and
colds and for every diseased condition
of throat, chest or lungs," says W.
V. Henry, of Panama, Mo. The world
has had thirty-eight years of proof that
Dr. King's New Discovery is the best
remedy for coughs and colds, in grippe,
asthma, hay fever, bronchitis, hem-
orrhage of the lungs, and the early
stages of consumption. Its timely
use always prevents the development
of pneumonia. Sold under guarantee
at Z. C. M. I. Drug store, 112-114 Main
street, 50c and \$1.00. Trial bottle free.

FIRST AND LAST TO CROSS.

The demolition of the old Jordan
bridge on Monday was marked by an
interesting incident. Mrs. Harriet
Decker Hanks, one of Utah's pioneer
women, was the first woman to cross
the historic structure after its erection
in 1852, on her way to visit a
daughter, Mrs. Marcia Hyde, who lives
just beyond the Jordan. Just as she
reached the bridge just as the work-
men were tearing it down. The planks
at the west end had been taken up for
some distance, and Mrs. Hanks was
lifted across the gap, about one minute
before the floor was demolished, thus
being the last woman to cross by its
way. Mrs. Hanks, who is seventy years
old, is justly proud of her record as
one of the pioneer women and experi-
ences, is justly congratulating herself on
being the last woman to set foot on the
landmark associated with many of her

experiences of early days. Mrs.
Hanks is 88 years of age and a
daughter of the late Isaac Decker, and
wife of Ephraim Hanks whose name is
closely associated with the pioneer
journeys and colonization.

HOW IS YOUR DIGESTION?

Mrs. Mary Dowling, of No. 228 8th
Ave., San Francisco, recommends a
remedy for stomach trouble. She says:
"Gratitude for the wonderful effects of
Electric Bitters in a case of acute in-
digestion, prompts this testimonial. I
am fully convinced that for stomach
and liver troubles Electric Bitters is
the best remedy on the market to-
day." This great tonic and alterative
medicine invigorates the system, puri-
fies the blood and is especially help-
ful in all forms of female weakness.
50c, as Z. C. M. I. Drug store, 112-114
Main street.

"The Guerrilla"—"War is Hell"—
Sherman, Crescent Theater, All Week.

CONFERENCE PAMPHLET

NOW READY.

Full proceedings of the seventy-ninth
annual conference of the Church of
Jesus Christ of Latter-day Saints,
held in the tabernacle and adjoining
halls, Salt Lake City, Oct. 4, 5 and 6,
are now ready.

This was one of the most spirited
and interesting conferences held in
many years. These sermons and ad-
dresses will not be printed in any other
form. Price 25c post paid.
DESERET NEWS BOOK STORE,
6 Main St.

NEW ARMY RECRUITS.

The record of enlistments for Sepem-
ber in the regular army, has been re-
ceived in this city. It shows that for
the recruiting stations in Ogden and
Salt Lake 25 applicants sought ad-
mission to the service, of whom 15 were
rejected. Of the 15 accepted, all went
into the infantry branch of the army.
At Fort Douglas, 27 out of 28 applicants
were accepted, of whom 25 went into
the infantry service. The total of en-
listments for the month amounted to
1,011, of whom 1,245 entered the regu-
lar army, 738 the cavalry, and 1,150 the
artillery arm. The number of desertions
is not reported.

Only One "BROMO QUININE," that is
Laxative Bromo Quinine & Malt
Cures a Cold in One Day, Grip in 2 Days
on every box. 25c

KEITH-O'BRIEN'S Fall Dress Goods Sale

We know you have been waiting for this always interesting Sale. We were never better prepared to give you value received for your money. Our stock is many thousands of dollars too high. We are going to give you a chance to buy new and dependable Dress Goods cheaper than you have bought them in many a day, if ever.

36 and 38 inch Fancy Suitings plain panamas
stripe panamas, checks Plaids and fancy mix-
tures 50c and 65c quality Sale..... **29c**

36 and 38 inch all wool Batiste Albatross and
Henriettas. These Fabrics are most desirable for
House Gowns, Waists and Kimonos, a complete
line of shades in light and dark colors 50 and
65c quality Sale..... **39c**

42 inch wide Plain and fancy dress goods. A
good range of fall and winter dress materials in new
and staple colorings and the latest weaves Panamas,
Batistes, Voiles, Mohairs, Serges, Scotch Plaids **59c**
and mixed suitings 85c to \$1.00 Sale.....

42 to 50 inches wide, Plain and Fancy Dress
Fabrics, We have never shown such a variety of
fashionable dress goods weaves at a popular price as
we will for next week visitors. They are all wool
The best colorings and weights for Street or business
Suits.

Panamas, serges, chevots, Prunella, Broad cloths
Taffeta cloth Henriettas, Shadow check Voiles,
Chevron and Montone Stripes values \$1 25 **75c**
and \$1.50 Sale.....

OUR ENTIRE STOCK OF IMPORT-
ED NOVELTY DRESS PATTERNS AND
TAILORED SUIT PATTERNS—
1-3 Off Regular Price

BLACK, CREAM AND BALANCE
OF DRESS GOODS STOCK, NOT MEN-
TIONED ABOVE

20 Per Cent Off

REMNANTS OF DRESS GOODS. AN
ACCUMULATION OF REMNANTS OF
DRESS GOODS FROM 2 TO 8 YARDS
OF EVERY WEAVE AND COLORING
WILL BE FOUND ON THE REMNANT
TABLES—
Marked 1-2 Price

46 TO 56 INCHES WIDE CHEVRON,
VAN DYKE AND MIXED STRIPE SUIT-
INGS. VERY EXCEPTIONAL VALUE
IN THIS STYLISH MEDIUM WEIGHT
MATERIALS FOR TAILORED SUITS
AND SKIRTS VALUES \$1.65 TO **\$1.00**
22.00. SALE.....

MANNISH TAILOR SUITINGS 50 AND
56 INCHES WIDE AN EXCEPTIONALLY
CHOICE LINE. SMART TAILOR SUIT-
INGS IN MIXED STRIPE EF-
FECTS UP TO **\$2.50**



Sweeping Reductions in MILLINERY

Includes what we call popular price Millinery which ranges from \$5 to
\$15 and our finer Importations and Patterns.

\$20.00 values for \$13.50, \$15.00 for \$9.75, \$12.00 for \$8.00, \$8.00 for \$5.00.

Headwear of this character Embodies Style in the highest degree.
The materials are first class. There is not a shoddy hat or an off-style in
stock. The hats are of velvets and silks, trimmed with roses, laces, wings,
and ribbons.

ALL HEADWEAR SELLING AT PRICES ABOVE \$20.00 WILL BE OFFERED AT HALF-PRICES.

Considering the Season has six weeks to run, this sale becomes emphat-
ically the most extraordinary Millinery event, millinery circles have known.

Also hats more or less expensive, ordered for late shipment and which have just reached the store, will be
included.

The reputation of Keith-O'Brien Millinery Store pre-eminently in a class to itself in the inter-mountain
region.

All untripped shapes in felt and made-shapes, silk tops and velvet facings, which sell from \$3 to \$5, will
be sold at half prices.

Sale starts Monday.

TABLE CLOTHS, NAPKINS, TOWELS, ETC.

72-inch Loom Die Table Linen, 75c; **50c**
Thanksgiving sale.....

66-inch Bleached Table Linen, **69c**
85c Thanksgiving sale.....

72-inch Cream Table Damask, every
thread pure linen, regular \$1.00; special **79c**
Fancy Huck Toweling for scalloped and hem-
stitched towels, 24 inches wide. Special price, 69c
yard.

72-inch silver bleached table linen, very fine quality. Reg. \$2, special **\$1.29**

Extra heavy Bleached Table Linen, 64 inches
wide. Worth regular \$1.15 yard. Thanksgiving
sale..... **\$1.00**

72-inch Bleached Table Linen. Regular price
special, **\$1.19**.

72-inch Bleached Table Linen. Very fine qual-
ity. Worth regular \$2.00 yard. Special, **\$1.29** yard.
Bleached Table Napkins, size 18x18 inches. Sell
regular at \$1.50 dozen. Thanksgiving sale, 85c
dozen.

Hemstitched hand-embroidered Bedspreads
size 90x108 inches. Special price for this sale as
follows: Each, \$16.00, \$17.50, \$20.00, \$22.50 and
\$30.00.

\$30.00 worth of new fancy linens, French
revived. Renaissance, Japanese hand-drawn, French
Cluny Lace and Irish Hand-embroidered Linens at
special reductions for our Thanksgiving sale.

Bleached Table Napkins, size 22x22 inches. Sell
regular at \$1.00 dozen. Thanksgiving sale, **\$1.00**
dozen. Regular price \$3.50 dozen. Special, **\$2.50**
dozen.

Extra heavy, fine quality Bleached Napkins,
size 22x22 inches. Regular price \$4.00 dozen. Special
price, **\$3.00** dozen.

Cream Table Napkins, 22 inches square. Sell
regular at \$3.75 dozen. This sale, **\$2.75**
dozen. Silver Bleached Table Napkins, 24 inches
square. Regular price \$4.00 dozen. This sale, **\$3.00**
dozen.

ODD PATTERN CLOTHS.

No Napkins to match and
must be closed out

Size 2x2 yards \$4.00 grade..... **\$2.50**
Size 2x2 yards \$5.00 grade..... **\$3.00**
Size 2x2 yards \$6.00 grade..... **\$3.50**

Size 2x2 yards \$15.00 grade..... **\$7.50**
Size 2x2 yards \$20.00 grade..... **\$10.00**
Size 2x2 yards \$15.00 grade..... **\$7.50**
Size 2x2 yards \$25.00 grade..... **\$12.50**

Cream Pattern Cloths, size 60x76
inches. Worth regular \$2.00 each.
Special price..... **98c**

Moravian Damask Pattern Cloths and Napkins

Best values and most desirable designs of any known make of linens and absolutely guaranteed.

Size 2x2 yards, \$7.50 grade..... **\$6.25** Size 2x2 yards, \$25.00 grade..... **\$12.75**
Size 2x2 yards, \$12.50 grade..... **\$8.75** Size 2x2 yards, \$30.00 grade..... **\$17.50**
Size 2x2 yards, \$18.50 grade..... **\$10.50** Size 2x2 yards, \$35.00 grade..... **\$21.25**
Size 2x2 yards, \$15.00 grade..... **\$8.50** Size 2x2 yards, \$40.00 grade..... **\$25.00**
Size 2x2 yards, \$18.50 grade..... **\$10.75** Size 2x2 yards, \$45.00 grade..... **\$28.75**
Size 2x2 yards, \$20.00 grade..... **\$11.00** Size 2x2 yards, \$50.00 grade..... **\$31.25**

Scalloped damask table cloths, beautiful designs and. very fine quality.
Something entirely new for round tables. Sizes 69x69 and 78x78 inches.
Reduced to \$12.50 and \$15 each. 20-inch napkins to match.

OUR ENTIRE STOCK OF PATTERN CLOTHS, WITH NAPKINS TO MATCH.
All new, desirable merchandise. A positive guarantee with every cloth and napkin.

Size 2x2 yards, \$5.00 grade..... **\$3.15** Size 2x2 yards, \$14.00 grade..... **\$8.50**
Size 2x2 yards, \$6.50 grade..... **\$3.90** Size 2x2 yards, \$18.00 grade..... **\$11.50**
Size 2x2 yards, \$8.00 grade..... **\$4.50** Size 2x2 yards, \$22.00 grade..... **\$14.00**
Size 2x2 yards, \$9.50 grade..... **\$5.50** Size 2x2 yards, \$26.00 grade..... **\$16.50**
Size 2x2 yards, \$11.00 grade..... **\$6.50** Size 2x2 yards, \$30.00 grade..... **\$18.00**
Size 2x2 yards, \$12.50 grade..... **\$7.50** Size 2x2 yards, \$34.00 grade..... **\$19.50**
Size 2x2 yards, \$14.00 grade..... **\$8.50** Size 2x2 yards, \$38.00 grade..... **\$21.00**
Size 2x2 yards, \$15.50 grade..... **\$9.50** Size 2x2 yards, \$42.00 grade..... **\$22.50**
Size 2x2 yards, \$17.00 grade..... **\$10.50** Size 2x2 yards, \$46.00 grade..... **\$24.00**
Size 2x2 yards, \$18.50 grade..... **\$11.50** Size 2x2 yards, \$50.00 grade..... **\$25.50**
Size 2x2 yards, \$20.00 grade..... **\$12.50** Size 2x2 yards, \$54.00 grade..... **\$27.00**
Size 2x2 yards, \$21.50 grade..... **\$13.50** Size 2x2 yards, \$58.00 grade..... **\$28.50**
Size 2x2 yards, \$23.00 grade..... **\$14.50** Size 2x2 yards, \$62.00 grade..... **\$30.00**
Size 2x2 yards, \$24.50 grade..... **\$15.50** Size 2x2 yards, \$66.00 grade..... **\$31.50**
Size 2x2 yards, \$26.00 grade..... **\$16.50** Size 2x2 yards, \$70.00 grade..... **\$33.00**
Size 2x2 yards, \$27.50 grade..... **\$17.50** Size 2x2 yards, \$74.00 grade..... **\$34.50**
Size 2x2 yards, \$29.00 grade..... **\$18.50** Size 2x2 yards, \$78.00 grade..... **\$36.00**
Size 2x2 yards, \$30.50 grade..... **\$19.50** Size 2x2 yards, \$82.00 grade..... **\$37.50**
Size 2x2 yards, \$32.00 grade..... **\$20.50** Size 2x2 yards, \$86.00 grade..... **\$39.00**
Size 2x2 yards, \$33.50 grade..... **\$21.50** Size 2x2 yards, \$90.00 grade..... **\$40.50**
Size 2x2 yards