Western Museum of Mining & Industry
Hills and Willis Collection (1891-1922)

Scope and Content
F. G Willis and Fred Hills were mining engineers in the Cripple Creek area of Colorado in the late nineteenth and early twentieth centuries. This collection has a series of accounting books from their work, along with five letter books. Two of the letter books are F. G. Willis’ and three were from both Hills and Willis. The collection mostly consists of calculation books that largely consist of mines in the Cripple Creek area, but also include other areas in Colorado, the Southwest Region, and Mexico. These calculation books range from 1891 to 1922.

Condition
All of the calculation books are in quite good condition. However, the binding is coming apart and the books must be handled with care. The accounting and letter books have very delicate paper and must also be handled carefully.

Box 1:
Series A: Ledgers

Account Book, 1891 – 1897 (523 pages, which includes index pages)
Account Book, 1897 – 1901 (323 pages, which includes index pages)
F. G Willis Letterpress Book, Nov. 1893 - Jun. 1904 300 pages)
F. G Willis Letterpress Book, July 1904 - Feb. 1914 (500 pages)
Hills and Willis Letterpress Book, May 1895 - May 1896 (523 pages)
Hills and Willis Letterpress Book, Feb. 1897 – Feb. 1898 (523 pages)
Hills and Willis Letterpress Book, Nov. 1899 – Dec. 1900 (523 pages)

Series B: Calculation Books

Index Book (100 pages)

Calculation Book “Granite,” 1906-1914

Calculation Book “Granite (2),” 1914-1922
  Gold Coin
  Dillon
  Granite
  Monument
  Moose
  War Eagle
  Portland
  Sangre De Christo
  Modoc

Calculation Book #17
  Mt Rosa Sur
  Creede Mg. claims
  Matzen Jno H
Anchoria Leland Group
Creede Mg. claims Areas
Mt Rosa Ditch Tie to ¼ Cor.
A-L Grace Greenwood & Chance Intersections
Colo. Land & Water Co. Reservoir No. 1
Smuggler
Gold King
Iron King
Last Effort and Big Banta
Wichita Partial Areas
Wichita Eagle

Calculation Book #18
Mt. Rosa
Emma McKinley
Jasper Avalanche
Anchoria Leland
Specimen and Lucky Gus Adverse
Mt. Rosa Ditch
Mountain Boy
Trail Big Banta
Eclipse
Granite
Climax & Axtet
Wichita
American Girl
Manitou

Calculation Book #20
Anchoria Leland Group 7
Chicago & Cripple Creek Group
Short Stop Foggy conflict
Wichita
Manitou
Wichita Partial Areas
Wichita & Missouria Placer
China & Axel
Johnson & Fireway Lode
Silver Bell No. 1
Camilla
Bob Tail No. 2
Henry Coby – Wichita

Calculation Book #28
Summit Adverse
Spicer
O.R.C
Ana May & Kittie Land Adv.
8725 J.M.F
Benn Harrison
8723 Scalene
Buckeye loc.
Index No. 2 loc.
8759 Canadian Lightfoot
Blue Stocking adv. of Rosaria & Cyclone
Mohican 8787
Worlds Desire

Calculation Book #29
8714 Silver Bell
Devil’s Own
Axtel 8021
Pikes Peak & Garfield 7801 & 7818
Pearl Macy 8815
X10U8
Surplus Fraction
Chicago Girl
Phisific and Ocean
Geneva & Game Cock conflict
Black Diamond am’d 7862
Surplus Fraction Excluded Tract
Clyde & Rigi Descriptions

Calculation Book #31
Portland Underground
McClure
Gansing 8911
Mitchell
Ben Harrison 8762
Big Z & Austerlitz 8634
Clyde 8985
American Star
Snow Storm
Flying Dutchman
Cedar Hill

Calculation Book #32
Fairview checking
Dead Shot
Page-Place of Fashion
Worlds Desire vs. Lulu Conflict
First Nat. Lode
Creek Bottom 9013
King Solomon 9024
New Moon
Polar Star
Anna J 9047
California Adverse
Cripple Creek Placer adverse
Trail Underground

**Box 2:**

**Calculation Book #33**
- Oxford Loc.
- Four Queens 8897
- Worlds Desire adv. of Yucatan
- Buckeye 8929
- Ellen McGregor & Rob Roy 8938
- Q.E.D. location
- Mohican vs. 8768 Hallett & Hamburg
- Louisiana & Bonnie Nell conflict
- Jolly Tar 9060
- Tecumseh 9061
- Great Eastern 9094
- Louisville 9135
- Midget Et. Al. lodes

**Calculation Book #34**
- Free Silver
- Modoc Lode Loc.
- Lucky Corner 9209
- Nellie Sanborn
- Colo. City adv. Bloomington
- Colo. City adv. Aluminum & Lone Star
- Colo. City Am. Sur. 9633

**Calculation Book #35**
- National Belle
- Bulls Eye
- Hussy Fraction 9256
- Little Treasure adv. J.E.B.
- Oxford
- Littler Treasure 11633

**Calculation Book #36**
- Portland Gold Mg. Co. Group
- Portland 8082
- Bob Tail
- Hidden Treasure
- Scranton area
- Doubtful
- Baby Ruth
- Bob Tail & Anna Lee
- White
- House & S. line Doubtful

**Calculation Book #37**
- T.E.M.O.M.J 9188
- Sunset or Poor Mans Extension
St. Louis Tunnel & Kurie Amended
Conundrum
Ella B. Silver State
Hoosier Boy Am. Cert. 9949
Little Eva 11285
Balleratt Adverse
Return Calc. to cut off
Lillie Temony underground
Walker & Butler Shaft

Calculation Book #39
Moses Placer
Milton
Lollie
Eaton & Eaton
Cecil
Gold Park Placer Adv. 10753
Manitou 7999 Am.
Columbia 14573

Calculation Book #40
Reform adv. Los Angeles Su.
Champion
Tommy Crews & Dandy
Champion & Viola conflict
Irish Molly Ellen McGregor & R. Roy
Cripple Creek Placer description
Big Joker
Little Dessie & Gittisburg
Edith H.

Calculation Book #41
Portland
Queen Sec.
Doubtful & Hidden Treasure conflict
Anna Lee “ “ “
Portland “ “ “
Scranton & Doubtful
Anna Lee & Vanadium
Lost Anna
Captain
Bobtail No.2
Hidden Treasure & White House & Captain
Agnes No.1
Portland underground
Bobtail No.3
Modah
Black Diamond
Calculation Book #42
New Moon adverse Little Anna Rooney
Emma D
Cedar Hill
Little Willie & Catalpa
Columbia vs. Goldsmith
Oxford – Cricket
Benton Compromise Catalpa
Oxford Leora V. Settlement
Nunda Loc.
Oxford – American Man Settlement

Calculation Book #43
Trilby location 9486
Direct vs. Gold Knob
Bison – Oakland 9797
Cleopatra adv. Gold Bug
Marie Mac
Favorite Dump

Calculation Book #46
Gilt Edge 9513
Enterprise Adverse 9359
Flying Dutchman adverse 9613
Lucky Dick Gee Mema & Jolly Tar 10557
K.C.K.
Big Indian 11350
Flying Dutchman
Mopta Carlo
Captain J. Lode

Calculation Book #48
Hobo 8380
Sherman Sur. No. 9563
Perhaps Loc.
Silver Bell
Reform adverse Benny 9495
Prodigal Son 9912
New Market adverse June Blizzard
Triangle Am’d
June Blizzard
Itmica Tunnel

Calculation Book #49
Total Wreck 9548
First National 9561
Jo Dandy
Mineral Point 9921
Strong Ext. Blue Bird
Black Hawk adverse Total Wreck
Moses Lode
Fannie Campbell
O.K. and New Zealand
Pueblo-Fanny Hardy tract
King Solomon 13634
Monticello

Calculation Book #50
Sherman
Cardinal 17682
Directly Lode Dudly
Hattie May vs. 9339 Abundance
Chicago Adverse Morning Star
Theresa underground work
Purser
Dewey Park 14864
Pullin & May
W.P.N. 7676
Arapahoe 8640
Colo. Century
Pride of Cripple Creek
Forest Queen Trespass
Montrose Trespass

Calculation Book #51
Specimen underground
Golconda
Iron Duke
Gold Flats
Ethel
Gold Hill
Solid Muldoon
Baby P adverse Daisy
Jessie May 10359
Leonard
Yankee Girl
Tawana
Mohican
Elk Horn
Ruby
Lafayette

Calculation Book #52
Gold Pass
Julia May
Faithful 10656
Spring Day location

Calculation Book #53
Monarch
Mane Pearl
Lookout 8833
Albany Tun. Site
Oro
Ottawa adverse
May Flower adverse Dead Rabbit 10810
Neptune
May Flower
Rosie Lode
Mabel S (Lucky Strike)

Calculation Book #54
Anna May & Kittie Lane Settlement
Granite Hill
Iceland Placer 9866
Metropole Tunnel Site
Rhyolite King et al.
Telephone
Mattie Hill & Gertie B
May Queen Underground
Vulture Amended Sur.

Calculation Book #55
Black Monder No. 2
Page Group 10397
Profidence 11761
Sparta Field Book 168
Emperor

Calculation Book #56
6th Level Stations
Milton
Be D Strong
Burns Shaft
Portland 500 level

Calculation Book #58
Wantanga 10027
Contact 10090
Bohemian Lode
Queen of Sheba 10655
Apex 8178
Wedge location
Colo. Boss
La Veta
Wedge adverse Baltimore
LaBelle adverse Summit Park
La Veta Look Out Boy
Nene Nona
Wichita 8014 Areas
| Calculation Book #60                     | Old Work Pikes Peak Grouse                   |
|                                       | Garfield West Line or Universal Rock        |
|                                       | Grouse Star                                  |
|                                       | New Iceland                                 |
|                                       | Grouse Mines                                |
|                                       | Millie W.E. end tract                       |
|                                       | New Discovery tract                         |
|                                       | Shentoff Star                               |
|                                       | American Eagle Mineral Rock Surface         |
| Calculation Book #61                  | St. Elmo Group                              |
|                                       | Anora Shaft                                 |
|                                       | Fort Wilcox                                 |
|                                       | Little May                                  |
|                                       | Wheeler Group                               |
|                                       | WRW Ditch                                   |
|                                       | Prince adverse Keeley                       |
|                                       | Granite Mountain                            |
|                                       | Oklahoma 8192                               |
|                                       | Northern Light                              |
|                                       | Strip Caldwell Fraction                     |
|                                       | Roxananna Group                             |
| Calculation Book #62                  | Virginia Group                              |
|                                       | Minnie Belle 9892                           |
|                                       | Silver Bell                                 |
|                                       | August location                             |
|                                       | Mar location                                |
|                                       | Athens Standard 10906                       |
|                                       | Alpha                                       |
|                                       | North Star Adverse 10635                    |
|                                       | Jumie Lund Valley Vein                     |
|                                       | Grace Arthur                                |
|                                       | Robert Burns No. 8245                       |
|                                       | Carbonate Queen                             |
|                                       | Stevens Tunnel                              |
|                                       | Eclipse Tunnel                              |
|                                       | Oliver Winze                                |
|                                       | Eclipse                                     |
|                                       | Sunset Tunnel                               |
|                                       | Battle M.                                   |
|                                       | Oliver Shaft                               |
| Calculation Book #63                  | Diana Group                                 |
|                                       | Granite 12363                               |
|                                       | Cripple Creek Placer                       |
Imp Lode
Sleepy Jack Area
E Porter Gold King

Calculation Book #64
Theresa Underground
Tatman Shaft
Christman Underground
Dolly Arden Underground
Ophilia Tunnel

Calculation Book #65
Forest adverse Wazee 9516
K.C.K.
Park Group
First National location
Urania Adverse Spring Day
Cyclone Clipper Shamrock
Forest lode
Ready Cash Patent

Calculation Book #66
Fort Wilcox 10180
Golconda
La Flata
Dor Ores & Vulture
Pinto Lease
Orphan Bell Trespass
E Line Burns
Burns Rising Sun Trespass
Vulture Amd
Purser
Maude
N.F.H
Tip Top

Box 3:
Calculation Book #67
Happy Boy
Emily Group
Monroe Location
LaSalle location
Dearborn
Nichego Placer
Edith H 13113
Aurora
Columbia
Zrolite Bloomington

Calculation Book #68
Ark. Maud
Defender
Eaton 10941
Excelsior Heircus lease
Ada B
Blunder
Dodger
Robert E. Lewis Group 13239
Gatch Mill Site
Wonder Iode location
Gold Standard No. 1-4
Virginia No. 1 + 2
Gold Ridge No. 1
Little Richard
Bessie T
Anna P
Twin Sisters
Areas 13239
San Francisco 10432
Orpha Nell
Sullenberger Reservoir

Calculation Book #69
Nellie Sanborn& King Solomon 9370
May Owen Grand View
Famous 12387
Waterloo 12438
Florence
Clyde Mine
LeClair
Colo. Boss
Caranza
Vista Grande

Calculation Book #70
Defender 10178
Corral B 10815
Rose Bud Placer
Triangle 9951
Hillside 9348
Anna J
Mountain Queen
Big John & Little John
Monta Carlo
Little Frank S
Legal Tender
Hiwanian adverse
Golden Fleece
Katherine
Strong-Portland triangle
Parfet Group
Dead Horse
Overlooked Crozier
Phil Sheridan lode
Winsi Tinsi 10110 Area

Calculation Book #72
King Solomon lode 9024
Anna May 8898
Uinta Tunnel
Little Man
Ocean Wave
Crown Point 11680
E Porter Gold King
Deadwood & Pauper
Shurtleff No.2
Findley Minne Belle & Hull Cy
Little Jim
Victor Mine Court
Steel Smith
Closing King
King & Main
Vindicator
Atlanta

Calculation Book #73
Mary Allice 8711
F.C.C
Mt Rosa, Adams & Rosa Lee
Eaton
Ready Cash
Bill Nye
Gold Bond Co.
Caledonia
Alpha & Omega

Calculation Book #75
World’s Fair Placer
Los Angeles – Six Points
Klondike
Lucky John
N.F.H
Dead Pine

Calculation Book #77
“Ajax in case A-6-7”

Calculation Book #79
Sunset Group
Dewey Placer
Golden Income Group
Copper King
Chick
Gold Dollar
Hummer No. 1

Calculation Book #81
Lonaconing Lease Report
Elkton Water
Free Coinage Co. Pinto
Burns
Wilson stope
Orphan Bell
Carper shaft
Mercer shaft
Deadwood No.1
Burns Shurtloff

Calculation Book #83
Bruner Work
Square Compass
Gold Dawn Group
Coos Country Oregon
Christmas 8899
Sounol & Triangle Duceley
Sarah B Placer
Gracie M Group

Calculation Book #85
Strong
Meridian Portland
Four Queens
Independence No. 2
Bal. Chapsens
Dillon Mine
Adams & Jefferson J Jolly Tar Fortune
Colorado City & Los Angeles joint
Portland Group

Calculation Book #86
Jack Pot Work
Boyd
Creston Co. Trespass
Mary McKinney

Calculation Book #89
Tom Meridian
Last Dollar Conflict
American Star Tract
Total Wreck
Lowell
Vanadium Wind Tract
Mary Alice
Black Diamond
Four Queens
Tidal Wave
Monument N
Blue Stocking & Rosario
Morse Groups
Modak
Rex
Hidden Treasure W.
Monarch
Agnes No.1
Lizzies May W
Scranton E
Independence
Lowell
Delta
Blue Stocking
Queen of the Hills and Bobtail No. 2
Burns

Calculation Book #90  Independence – Nothing in folder
Calculation Book #92  Lustre Mine, Mexico
Calculation Book #93  Lustre Mine, Mexico
Calculation Book #94  Abe Lincoln
Ajax
American Eagles
Anchoria Leland
Blue Bir
Blue Bell
Chicago & CC
Doctor Jack Pot
Dead Pine
Eclipse
El Paso Cons1
Elkton
E.B. Tunnel
Findley
Gold Coin
Golden Cycle
Good Will
Gold King
Independence Consolidated
Isabella
John A. Logan
Last Dollar
Lillie
Mable M
Mary McKinney
Midget
Midd Elevations
Moon Anchor
Morning Glory
Modoc
Newell
Ophelia
Orpha May
Ontario
Portland
Rebecca
St. Patrick
Strong
Standard
Uintah
Vindicator
Wild Horse
Zenobia
Zoe
Mountains
Springs
List of Shafts
Pumping to date

Calculation Book #95
Mary McKinney
Ross Lease Stopes
Mollie Gibson
Henry Adney ore reserves
Old Gold 4th
Mary Nevin
C. K. & N.
Columbia or Australian Tunnel
Old Gold
El Paso 6th
Craig Ramsey Trespass on Chicken Hawk

Calculation Book #96
Gold Coin
State Bank Timber Land
Pride of Cripple Creek
| Calculation Book #97 | Pegleg No. 1 Group  
Mary A & Ella W 8675  
Zoe G. M. Co.  
St. Thomas  
Echo Mining and Leasing Co.  
Raven & Beacon Co.  
Commonwealth or Star  
Little Nell  
Requa Savage  
Mabel M |
| Calculation Book #100 | “Ajax In Case 6-6” |
| Calculation Book #101 | Dexter  
Hanover 8525  
Portland Drainage Adit.  
Dante Underground  
8th level P.G.M |
| Calculation Book #105 | Dead Pine  
Upper Granite  
Monument  
Dillon |
| Calculation Book #106 | The Mammoth Mine  
Trinchera Estate  
Columbus Mine La Plata  
Columbine  
E.B.F. location  
Deadwood 8107 |
| Calculation Book #111 | Gould  
Gregory  
Mohican  
Gold Sovereign  
War Eagle  
Sheriff  
New York Tunnel  
Amanda  
Twin Sisters  
Happy Year |
| Calculation Book #112 | Ophir Mine |
Fluorine
Wilson Ranch lines

Calculation Book #113
Crested Butte Canon City

Calculation Book #116
Golden Wedge
M.G. Davenport & Eliz
Elizabeth Cooper
Peggy
Ophelia
Dr. J.P.
Jack Pot
New Work
Raven
Lucky Corner
Dolly Varden
Carlton Raises
Anaconda Mill

Calculation Book #118
Section 34
Sarah B
Congregational Lode
Little Hawk
First Chance
Wichita lode
Londonderry Co.
Hall et al.

Calculation Book #120
Roosevelt Placers

Calculation Book #122
Isabella – Nothing inside

Calculation Book #142
Mary McKinney
T & G Tunnel
Howard
Ailein

Calculation Book #147
M.E. White

Calculation Book #150
Mary McKinney G.M & Co.
Upper Anaconda Tunnel