

**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 & Missouri Placer  
China & Axel  
Johnson & Fireaway 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	<p>New Moon adverse Little Anna Rooney  Emma D  Cedar Hill  Little Willie &amp; Catalpa  Columbia vs. Goldsmith  Oxford – Cricket  Benton Compromise Catalpa  Oxford Leora V. Settlement  Nunda Loc.  Oxford – American Man Settlement</p>
Calculation Book #43	<p>Trilby location 9486  Direct vs. Gold Knob  Bison – Oakland 9797  Cleopatra adv. Gold Bug  Marie Mac  Favorite Dump</p>
Calculation Book #46	<p>Gilt Edge 9513  Enterprise Adverse 9359  Flying Dutchman adverse 9613  Lucky Dick Gee Mema &amp; Jolly Tar 10557  K.C.K.  Big Indian 11350  Flying Dutchman  Mopta Carlo  Captain J. Lode</p>
Calculation Book #48	<p>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</p>
Calculation Book #49	<p>Total Wreck 9548  First National 9561  Jo Dandy  Mineral Point 9921  Strong Ext. Blue Bird  Black Hawk adverse Total Wreck  Moses Lode</p>

Fannie Campbell  
O.K. and New Zealand  
Pueblo-Fanny Hardy tract  
King Solomon 13634  
Monticello

Calculation Book #50

Sherman  
Cardinal 17682  
Directly Lode Dudley  
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      6<sup>th</sup> 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  
Roxanna 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

	<p>Imp Lode  Sleepy Jack Area  E Porter Gold King</p>
Calculation Book #64	<p>Theresa Underground  Tatman Shaft  Christman Underground  Dolly Arden Underground  Ophelia Tunnel</p>
Calculation Book #65	<p>Forest adverse Wazee 9516  K.C.K.  Park Group  First National location  Urania Adverse Spring Day  Cyclone Clipper Shamrock  Forest lode  Ready Cash Patent</p>
Calculation Book #66	<p>Fort Wilcox 10180  Golconda  La Flata  Dor Ores &amp; Vulture  Pinto Lease  Orphan Bell Trespass  E Line Burns  Burns Rising Sun Trespass  Vulture Amd  Purser  Maude  N.F.H  Tip Top</p>
<b>Box 3:</b>	
Calculation Book #67	<p>Happy Boy  Emily Group  Monroe Location  LaSalle location  Dearborn  Nichego Placer  Edith H 13113  Aurora  Columbia  Zrolite Bloomington</p>
Calculation Book #68	<p>Ark. Maud</p>

Defender  
Eaton 10941  
Excelsior Heircus lease  
Ada B  
Blunder  
Dodger  
Robert E. Lewis Group 13239  
Gatch Mill Site  
Wonder lode 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

	<p>Strong-Portland triangle  Parfet Group  Dead Horse  Overlooked Crozier  Phil Sheridan lode  Winsi Tinsi 10110 Area</p>
Calculation Book #72	<p>King Solomon lode 9024  Anna May 8898  Uinta Tunnel  Little Man  Ocean Wave  Crown Point 11680  E Porter Gold King  Deadwood &amp; Pauper  Shurtloff No.2  Findley Minne Belle &amp; Hull Cy  Little Jim  Victor Mine Court  Steel Smith  Closing King  King &amp; Main  Vindicator  Atlanta</p>
Calculation Book #73	<p>Mary Alice 8711  F.CC  Mt Rosa, Adams &amp; Rosa Lee  Eaton  Ready Cash  Bill Nye  Gold Bond Co.  Caledonia  Alpha &amp; Omega</p>
Calculation Book #75	<p>World's Fair Placer  Los Angeles – Six Points  Klondike  Lucky John  N.F.H  Dead Pine</p>
Calculation Book #77	<p>“Ajax in case A-6-7”</p>
Calculation Book #79	<p>Sunset Group  Dewey Placer</p>

	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 Consl  
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 4<sup>th</sup>  
Mary Nevin  
C. K. & N.  
Columbia or Australian Tunnel  
Old Gold  
El Paso 6<sup>th</sup>  
Craig Ramsey Trespass on Chicken Hawk

Calculation Book #96

Gold Coin  
State Bank Timber Land  
Pride of Cripple Creek

	Whitmore Crystal Peak King – Cahill – Hall et al.
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 8 <sup>th</sup> 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