THE CINEMATIC MACHINERY COLLECTION

Of

Soterios Gardiakos

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INTRODUCTION

Ever since I can remember I collected “things”, all kind of “things”.

My father, Spero, was a master watch maker and jeweler and he had every kind of tool, everything from antique to modern needed and not needed to ply his profession. Most of his tools are still in our house in Kalamata, Greece. I cannot part with them. They serve no useful purpose packed in boxes. Yet they are still there.

My Mother, Chrysoula, was the same way. She saved most everything that came to her. Everything from books, 78 rpm records, old tools, kitchen and household apparatus to keys and locks. I loved buying old things to give my mother to add to her unusual collection. Above all she liked to collect and nurture plants, all kinds, from common to exotic. She had a green thumb; everything she touched grew and flourished.

My wife, Irlanda, is a collector as well. She loves collecting books, furniture, art, and whatever may suit her fancy at the time. This has been very fortunate for me as I so often hear from men “Oh, I can’t buy this, my wife wont let me bring it in the house”, how sad.

In May 5,1997, My good friend Hally Haight Sr. whose family was the first to settle what is now Naperville, here in Illinois, told me “I bet you don’t have a movie theatre projector” I replied that I did not. He told me that a friend of his had recently acquired such an item and wanted to sell it right away. I immediately went to see it, it was a disaster, but it attracted me, I bought it for $50.00, took it home and proceeded to remove the rust and to clean it up. I immediately started doing research on what at the time was an unusual “thing” in my possession. I soon tracked down two projectionists, Paul Dorobialski and Don Hegelson whose help made it possible to return this Simplex projector (serial number 1050) to full functionality.

I have since than met and corresponded with many others who collect these odd movie machines and have found them to be the nicest people in the world. All have been helpful in adding to my knowledge in this very specialized field.

Through my bidding on ebay I had the good fortune to meet George Panagiotides who has the finest collection of old telegraphy and antique electric devices from the dawn of that era in Greece. He found and bought for me the oldest known Greek made projector, the 35mm Greek made film cutter & viewer, other cinematic, electronic and scientific devices. I also met George Kordelakos who has the finest collection of odd size film devices in Greece. And among my Greek friends I cannot forget Niko Theodosiou who is the foremost authority on the history of the Greek movie industry. I also wish to thank Mr. Christos Riganas, a great sculptor for his gift of the Cinenechanica projector.

Through ebay I had the good fortune to correspond with Allan Osborne of Australia, who has beyond doubt the finest collection of this nation’s cinematic machines, many being unique. His collection is surely a national treasure that is unrecognized in Australia.
Here in the Chicago area, we are very fortunate to have the Carey Williams collection of movie projectors and movie cameras, which is without doubt the largest and best collection on the planet, a collection with out peer, in private hands and possibly better than most cinematic equipment museums. Carey’s knowledge and archives have been of primary importance in my research on movie projectors. His willingness to help has no limits.

Through Carey I had the privilege of meeting the very erudite George hall, the curator of the “Silent Museum” in Tucson Arizona, who has encouraged and helped in my research in this field, particularly with the Animatoscope.

I have also had the honor of corresponding with John Barnes, author of the monumental five volume work *The Beginnings of the Cinema in England 1894-1901* who has vindicated my belief that the Warwick Bioscope in my collection is indeed part of the batch of the very first 50 Bioscopes made in New York City.

I also wish to thank Ray Phillips, author of *Edison’s Kinetoscope and its films – A History to 1896* dealing with the “peephole” Kinetoscope. Until recently he had on of the very few peephole Kinetoscopes in private hands which he has used as a guide to manufacture faithful reproductions of this most highly important machine. His machines are in museums and private collections. He was kind to send me a complete list of where he sold these machines which are listed in my book on Kinematic Peephole Machines.

I cannot forget to thank Martin Koerber of the Potsdam Film Museum who along with Dietmar Linke spent their valuable time identifying the specific model number of my prized Messter Thaumatograph. I also had the good fortune in corresponding with Christian Ilgner, who is no longer with us, and who sent me valuable information on Peephole machines.

I have met and corresponded with many others in this field, from collectors to Museum curators and wish to thank all of them for taking their time to help me answer my questions on cinematic machinery in general and in identifying some of the projectors in my collection in particular.

In the following pages you will view my collection of some common, rare and unique cinematic equipment. I have tried to describe them as accurately as possible. I am sure there are many errors and omissions, and they are all mine. Your help will be greatly appreciated if you would write me pointing out such errors and or omissions.

Soterios Gardiakos
May 29, 2008
Sgardiakos(omit)@aol.com
Soterios Gardiakos with a Powers 6B projector
I

35MM FILM FORMAT
PROJECTORS
And other 35 mm related items
MOVIE PROJECTORS
In the collection of Soterios Gardiakos
35mm MOVIE PROJECTORS IN MY COLLECTION

Acme portable “SVE” 1922, type F, with magic lantern attachment, Made by the “Acme Motion Picture Projector Co.”, made in Chicago, IL, USA, serial number 5833
Acme portable “SVE” 1922, type G, made in Chicago, IL, USA, serial number 10126.
American Projectoscope, ca 1920, No M5, made by “The American Projecting Co. in Chicago, IL, USA, serial number 3177

Anonymous #1, earliest known Greek made projector, found in Athens Greece
Anonymous #2, wonderful workmanship on top of wooden box, probably American
Anonymous #3, Head only, probably German, Located in Greece
Anonymous #4, a bioscope type projector probably of English manufacture
Anonymous #5, a semi-professional projector probably of German origin
Anonymous #6, a heavy duty professional projector, probably of German origin
Anonymous #7, “Projektionskopf” probably German, professional grade circa 1905
Anonymous #8, head and upper reel assembly, probably German, Located in Greece
Anonymous #9, a light weight but well built projector head, probably German.

Athena, head only, 1950’s made by John Pissanos in Athens Greece, serial number 91, (Numbering started at 50), Located in Greece

Bauer B8, Made in Stuttgart, Germany, serial number B8R9-95 123, Located in Greece
Bing, Bing continuous loop toy projector 1897-1898, Located in Greece
Bing, complete projector minus reel arm made in Nuremberg Germany, Serial number 1872
Bioscope, Warwick, 1897, Head only, reel arm and shutter remade new. Made in New York, NY, USA, no serial number.
Bioscope, Urban, 1905+ head only, made in England, serial number 1142.
Bioscope, 1905+ Unknown maker, head only, made in England, no serial number.

Cameragraph number 5, 1907, head only, made by the “Nicholas Power Co., in New York, NY, USA, Serial number 666
Cameragraph number 6, 1909+, complete, minus four legs. Made in New York, NY, USA, Serial number 6351, patents license 9331
Cameragraph number 6 1909+, head only, made in New York, NY, USA, Serial number 32677
Cameragraph number 6B, 1909+ mounted on stand, made in New York, NY, in USA. In Plainfield BK. Serial number plate removed
Cinemechanica Victoria IVB, 1942, made in Italy, serial number 4747, Located in Greece
Cosmograph model 1GR type A, 1903-1908 portable in wooden box, made by “Haggard Bradley Inc.” Morehead, KY, USA, No serial number
Cosmograph model 16R type A, 1903-1908 portable in wooden box, made in Morehead KY, USA, No serial number
Cello type A, 1918, portable, made by “A. S. Hall Projecting Co,” in East Boston, Mass., USA, serial number 838
De Vry suitcase style portable TYPE E-, ca 1928 made by “The DeVry Corporation”
Chicago, IL, USA, Serial number 9847
De Vry suitcase style portable TYPE ESF, 1942, made in Chicago, IL, USA,
Serial number 14987
De Vry suitcase style portable TYPE ESP, ca 1945 made in Chicago, IL, USA,
Serial number 30108
Drophead projector, 1920’s, made by “Drop-Head Projector Company” Fond Du Lac, Wisconsin, USA, serial number 72

Ernemann toy & home use projectors
Ernemann Toy Projector, head only with top reel arm ca 1910 made in Dresden, Germany, no serial number
Ernemann Kinopticon 1914 home projector, made in Dresden, Germany,
No serial number,
Ernemann Kinox I, 1914, complete except for crank, made in Dresden, Germany
Ernemann, Kinox II, 1922, incomplete projector (front missing), made in Dresden, Germany.

Ernemann Commercial Projectors
Ernemann Monarch, ca 1911, head only, housing chipped at top, made in Dresden, Germany, serial number 687447
Ernemann I, (Krupp-Ernemann logo) head only, chipped base. Made in Dresden, Germany, serial number on lens gate 1346633
Ernemann I, similar to above, head only, made in Dresden, Germany,
Serial number 12994

Gaumont, 1915, Rouge 911, made in France, Located in Greece
Graphoscope Junior, 1916, made by Francis Jenkins, Mfg by A. S. Campbell Co
Made in Washington, D.C., USA, serial number 842

Hahn I, 1919, projector head only, made by “Hahn-Goerz” in Kassel, Germany
Located in Greece
Hollywood, green toy projector made for Montgomery ward, of Chicago, IL, USA
No serial number.
Hollywood, green toy projector made for Montgomery ward, of Chicago, IL, USA,
No serial number

ICA monopol I projector, 1914, complete head, made in Dresden, Germany,
Serial number 31944
JF (Johann Falk) small toy projector, made in Nuremberg Germany, no serial number

Kamm, made in England, serial number 10273
Kaplan, Simplex imitation, serial number K2103
Keystone Moviegraph, Model No, 575W, smaller type toy projector, Made in Boston, MA, no serial number
Keystone (probably) larger toy projector, (no name plate) made in Boston, Mass., USA
No serial number
Keystone model No. 154-W, top of the line toy projector, made in Boston, Mass., USA
Keystone model 198W, top of the line toy projector, made in Boston Mass., USA
Kalee Indomitable, ca 1915, made by Kershaw and Sons Ltd., in London/Leeds, England, Serial number 1019, Located in Greece

KINETOSCOPES
Kinetoscope, 1896, the oldest known projecting Kinetoscope spoolbank, Serial number 16
Kinetoscope Type 3, 1900-1902, wooden case, gear driven take up reel, Serial number 1248
Kinetoscope, ca 1905, wooden case, serial number 7821, wooden case, unusual
Heavy duty modification, serial Number plate removed
Kinetoscope, incomplete, mechanism only, no wooden case, serial number plate Removed
Kinetoscope type B, 1911, metal casing, outside shutter, Serial number plate removed.
Kinetoscope, Universal. 1903+, home made base, lamp housing of unknown origin.
Serial number 793

KH17/600, a Russian Built projector, made from a pre WW II German design, Serial number 925,003
Knittel, DiGiglio or TA-LI-KI portable, 1923, made by Bruno Knittel of Dresden Germany, with wooden box, Serial number 4747
Kolograph, Model D, 1913, complete machine (legs new), made in Indianapolis. IN., USA, Serial number 11120

Lang, A prototype made around 1910 by the Lang Manufacturing Works, never put in Production, made in Olean, NY, USA
Loffel Phoenix, made ca 1926 by Loffel in Leipzig, Germany. Only 150 made, Serial number 139
Lubin, complete on wood stand, made in Philadelphia, PA, USA, serial number 2832.
Lubin Cineograph, serial number 5873

Mazo, Cine Mazo ca 1920, made in Paris, France
Messter, Thaumatograph, 1902, a variant of model XI, Made in Berlin, Germany, Serial number 578
Monarch, 1915, head only, two shutters remade new, made in Chicago, IL, USA, Serial number 3017, several models were made
Motiograph 1A, 1912, complete minus the wooden base, made in Chicago, IL, USA,
Serial number 9112154
Motiograph DELUXE, 1921, made in Chicago, IL, USA, serial number 2150507
Motiograph model AA, 1946, Made in Chicago, IL, USA, (19 pieces).

Nitzsche, Saxonia I, 1907, made in Leipzig, Germany, serial number 636.

Optigraph number 2, 1899, with lamp housing, made in Chicago, IL, USA
  No serial number visible.
Optigraph number 3, 1900, with lamp housing, made in Chicago, IL, USA,
  No serial number visible.
Optigraph number 4, 1907, with lamp housing, made in Chicago, IL, USA,
  Serial number 122064
Optica, 1921, made in Berlin, Germany, incomplete portable, serial number 2174
Optica, 1921, made in Berlin, Germany, complete portable, serial number 4597

Pathe before 1910, complete head with reel holder and film cans, France,
  Serial number 19761
Pathe after 1920, complete head with miniature lamphouse, France,
  Serial number 35692
Pathe - Kok , serial number 8201
Pathe-Lumiere. 1900-1902, A hybrid projector, France, serial number C1 126
Peerless, 1920, portable, made by Peerless Projector Co., New York, NY, USA
  Serial number 10548
Peerless, 1908, the most complete machine known to exist, made by George A. Knaak
  Co. in Oshkosh Wisconsin, USA
Peerless, 1908, head only, made by George A. Knaak Co. in Oshkosh Wisconsin, USA
Phebus Marseilles, ca 1923, complete in perfect order, France, no serial number visible
Phoenix made ca 1926 by Loffel in Leipzig, Germany. Only 150 made,
  Serial number ___
Planck. Ernest, ca1905, made in Nuremberg Germany, toy projector, Located in Greece


Selig Polyscope. Complete projector with magic lantern, link chain driven mechanism,
  Table top model, made in Chicago, IL, USA serial number 18
Selig Polyscope. Complete projector with magic lantern, Gear driven mechanism, made
  in Chicago, IL, USA serial number 416

Simplex, complete machine located in Plainfield BK. Serial number 7645 0
Simplex, complete machine located in Aurora BK. Serial number _______
Simplex, before 1921, head only, serial number 1044
Simplex, before 1921, complete machine, my very first 35mm projector.
  Serial number 1050? an Early conversion to sound on film
Simplex, before 1921, head only, serial number 7644?
Simplex, before 1921, head with some gears missing, Serial number 12246.
Simplex, before 1921, head only, serial number 13522
Simplex, before 1921, head only, serial number 13886
Simplex, after 1921, head only, serial number 16481
Simplex, after 1921, complete, serial number 17626 on a Western Electric base
Simplex, after 1921, head only, serial number 18890
Simplex, after 1921, head with some gears missing, serial number 26017.
Simplex, after 1921, head with some gears missing, serial number 45296.
Simplex, after 1921, complete machine with rectangular base, serial number 56930.

A. Christie Electric Corp. Xenolite model H-10, serial number HFD-656.
Mr. Robert Doran has informed me that the 1921 start serial number is 15,850
The 1927 start serial number begins with 25,835.

Solus, 1924, portable projector on wood base with metal cover, Paris, France
No serial number visible.
Superior type M. 1923+, incomplete projector head, made in Coxsackie, NY, USA,
Serial number 1270

Wenzel. 1939? Complete machine on five point stand, made in Chicago, IL, USA,
Serial number W4-3615
Wenzel. 1939? Complete machine on five point stand, made in Chicago, IL, USA,
Serial number W4-3759
The above two Wenzel projectors were formerly in the Lincoln theatre in Alabama
That was owned by Sam Bower of "the Imperial Wizard of the White Knights of the
Ku Klux Klan." who was convicted of murdering some civil rights workers.

Zenith, model D, 1921? portable, no lamp house, made in Duluth, Minn., USA,
Serial number 11,260

TOTAL: 126 35 mm projectors in my collection.

ITEMS IN RED ARE ILLUSTRATED

Your comments and corrections are
Welcome to more accurately date
these projectors and other items
In this collection
Acme portable “SVE”, type F, 35 mm movie projector, 1922, with magic lantern attachment, Made by the Acme Motion Picture Projector Co., Serial number 5833 made in Chicago, IL, U.S.A
Anonymous #1, Greek 35 mm Projector
Possibly the earliest Greek made projector
Purchased by my Friend George Panagiotides in Athens, Greece
Anonymous #1, Greek 35 mm Projector
Anonymous #1, Greek 35 mm Projector
Anonymous #1, Greek 35 mm Projector
Anonymous #2, 35 mm Projector
A very well home made, or prototype projector made by a highly skilled machinist. What makes this an interesting projector is that it does not have a Film loop, but a spring loaded tension mechanism.
Anonymous #2, 35 mm projector, (detail)
Anonymous #3

Anonymous #3, 35 mm projector, probably of German origin

Located in Greece
Anonymous #4, 35 mm Projector
Probably English
Anonymous #5, 35mm Projector
Probably German
Anonymous #6, 35mm projector, a heavy duty professional projector, With a left hand rank, probably Nitzsche, German
Anonymous #7, 35mm projector, “Projektionskopf” professional grade circa 1905, Top reel arm and crank not original.
Anonymous #7, 35 mm projector, (detail)
Anonymous #8 35 mm projector, Head and upper reel assembly
Located in Greece
Anonymous #9, 35 mm projector, a small and light weight but well built projector head.
American Projectoscope, ca 1920, No M5, 35 mm projector,
Made in Chicago, IL, USA, Serial number 3177
Athena, 35 mm projector, made in the 1950’s, in Athens Greece, serial number 91, (Started numbering at 50), Located in Greece.

Soterios Gardiakos, A compilation of Greek Made Projectors, The only such compilation in the English language. Nikos Theodosiou is the authority on Greek cinematic machinery, movie houses and the progress of the Greek film industry. His books are all written in Greek.
Bauer B8, 35 mm projector
Made in Stuttgart, Germany, serial number B8R9-95 123,
Located in Greece
Bing continuous loop toy projector 1897-1898 made in Nuremberg Germany

Located in Greece
Bing, 35 mm projector, complete projector minus reel arm, 
Made in Nuremberg Germany, Serial number 1872
Warwick Bioscope 35mm Projector, 1897 as purchased

Made for Charles Urban by Walter Isaacs in New York City, this is the only known example of first type. A type 2 made in England is in the collection of the Cinematheque Francaise Number 1258 in the Laurent Mannoni Catalog. This was originally a Spoolbank Projector. The reel arm and the shutter wheel are modern.


Warwick Bioscope 35mm Projector, 1897
Photo by Katerina Nike Gardiakos
Warwick Bioscope 35mm Projector 1897
Photo by Katerina Nike Gardiakos
Warwick Bioscope 35mm Projector 1897
Photo by Katerina Nike Gardiakos
Warwick Bioscope 35mm Projector 1897
Photo by Katerina Nike Gardiakos
From Henry V. Hopwood, *Living Pictures*, London 1899
The line drawing has been reversed from the drawing in the book
Note absence of shutter wheel which was later added by Cecil M. Hepworth
And sold as an after market attachment as in my machine
To illustrate how the Bioscope was originally set up as a spoolbank projector
Courtesy Robert W. Gutteridge
Originally in *The Optician* Vol. 13, 1897, p. 422
This Bioscope was made by Charles Urban after he left the Warwick Trading company to found his own company. With a serial number of 1142, assuming that the starting number was 1001 would make this a very early 1900’s projector. I have in my possession a copy of a 1906 catalog in which this particular projector is illustrated. It is possible that they were made prior to 1906, but certainly this particular projector was made in 1906 or earlier.
One of the many Bioscope type projectors made for a variety of companies in England as well as Germany, (Schneider & Sohn of Essen-see page 167 of Herbert Tummel, Deutsche Laufbildprojekto ren). It is extremely difficult to attribute them to any particular company. I believe the British Bioscopes were mostly made at the Prestwich Lansdowne works at Tottenham England (see John Barnes, The Beginnings of the Cinema Vol. 5 page 91.
Cameragraph 35 mm projector, number 5 head only.
Made in New York, NY, USA, serial number 666
From Power’s Cameragraph No. 5 catalog dated 1908.
Cameragraph 35 mm projector, number 6 complete, minus four legs.
Serial number 6351, Patents license 9331
Power’s Cameragraph No. 6
Complete Equipment

Fig. 8

From Power’s Cameragraph catalog fifth edition October 1913.
Cameragraph number 6, 1909+, head only, made in New York, NY, USA, Serial number 32677
Carette & Co., George, 35 mm projector (GC&CON) Indicating it was made before 1905, German

A good short history on George Carette, A Frenchman who moved to Germany and manufactured a line of toy and home 35 mm projectors appears in the *Encyclopaedia of the Magic Lantern*, London 2001.
Cello Type A, 35 mm projector, 1918, portable, made in East Boston, Mass., USA, Serial number 838
Cinemachanica Victoria IVB, 35 mm projector, 1942, made in Italy, Serial number 4747, Located in Greece
Cosmograph 35 mm Projector, probably after 1916,
This very unique projector was made by E.E. Maggard (1879-1948) in Morehead Kentucky. Patent 1,308,293 filed March 13, 1916 patented July 1, 1919 for this projector
De Vry suitcase style portable 35 mm projector, TYPE E-, 1928?
Made in Chicago, IL, USA,
Serial number 9847
Drophead projector, 35 mm projector, 1920’s,
Made in Fond Du Lac, Wisconsin, USA, serial number 72
Light shutter (black square) was manually opened and shut to prevent film burnout.
Ernemann was probably the most prolific maker of 35 mm projectors in Germany. Because of the great number of machines that Ernemann manufactured no one, to my knowledge, has ever undertaken to compile a catalog of these machines.
Ernemann Monarch, 35 mm projector ca 1911, head only, housing chipped at top, Made in Dresden, Germany, serial number 687447
Ernemann I, 35 mm projector similar to above, head only, made in Dresden, Germany.
Serial number 12994
Gaumont, Rouge 911, 35 mm projector, 1915, made in France, Located in Greece
Graphoscope Junior, 35 mm projector made by Francis Jenkins, Mfg. by A. S. Campbell Co., ca 1916, Serial number 842
Graphoscope Junior, 35 mm projector
AHN I, 35 mm projector,
Made by Hahn – Goerz of Kassel Germany that made movie projectors between 1919 and 1927, Located in Greece
HOLLYWOOD

Hollywood 35 mm Toy Projector sold by Montgomery Ward
Note similarity with “Keystone” toy projector
ICA Monopol 35mm projector ca. 1914

According to Herbert Tummel Deutsche Laufbildprojektoren page 210 approximately 10,000 machines of this type were made. There are differences in these machines although they all carry the ICA Monopol label.
JF (Johann Falk) small toy projector, made in Nuremberg Germany,
No serial number
Kalee Indomitable 35 mm projector ca. 1915 serial number 1019
Located in Greece
Kamm 35 mm projector, serial number 10273
Kamm 35 mm projector, serial number 10273
Kamm 35 mm projector, serial number 10273
Keystone model 198W, 35 mm projector, top of the line toy projector,
Made in Boston Mass., USA
Note similarity with “Hollywood” toy projector
KEYSTONE

CATALOGUE
PRICE LIST
Films, Slides and Accessories
To be used with the
KEYSTONE MOVIEGRAPH

ISSUED BY THE MANUFACTURER
KEYSTONE MANUFACTURING CO.,
288 A STREET,
BOSTON, MASS., U. S. A.

Front page of an undated Keystone brochure
KH17/600, 35 mm projector, serial number 925003

A Russian built projector that has its origin in Jena, Germany in 1934 as the K 25 projector. For a fuller history on this projector read *100 Years of Cinematographic Equipment – A look at the Technology Collection of the Potsdam Film Museum*, Berlin 2001, pp 90-91.
Kinetoscope, 35 mm Spoolbank, Serial number 16, 1896, (The oldest known Edison Kinetoscope projector) this was Edison’s first motion projector after the Armat Vitascope which of course was not of Edison’s making. It was called Edison’s Vitascope for commercial purposes only.

“The first experimental model debuted on November 30, 1896 to great local acclaim. Other test models were gradually sold and that February the machine was placed on the market for $100.00.C. Musser, *Thomas Edison and his Kinetographic Motion Pictures*, 1995, page 28.
KINETOSCOPE

Kinetoscope Type 1, 35 mm projector, Serial number 16
To illustrate how the Kinetoscope was originally set up as a spoolbank projector
Kinetoscope 35 mm Spoolbank Type 1
Courtesy Allan Osborne
KINETOSCOPE

Kinetoscope Type 3, 35 mm projector, serial number 1248
KINETOSCOPE

Kinetoscope Type 3, 35 mm projector, serial number 1248
35mm Kinetoscope 35 mm projector, serial number 7821
Kinetoscope, type B, 45 mm projector, metal casing. Serial number plate removed.
Kinetoscope, Universal, 35 mm projector, 1903,
Lamp housing of unknown origin, Serial number 793
Home made wooden base, reel arms not original
DiGiglio or TA-LI-KI 35mm Projector, ca. 1923 to ca. 1927 made in Dresden Germany by the firm of Knittel. The rewind attachment is missing. This was also made with a ground glass to be viewed as we would view a television set.
Kolograph, Model D, 35 mm projector, 1913, complete machine (legs new),
Made in Indianapolis, IN., USA, Serial number 11120
Lang prototype 35 mm Projector
Made by the Lang Manufacturing works of Olean, New York, U.S.A
This is the only two shutter projector known other than the Monarch projector.

Mr. Lang was born in Germany and was there involved in the movie machinery industry. When he immigrated to the United States he set up a facility where he manufactured film reels and film rewinders. He was also the holder of several patents related to this field. I am in need of any and all information on Carl J. Lang of Olean, NY. Information is almost non-existent on Mr. Lang. The Olean Historical society has not responded to my numerous inquiries.
Lang 35 mm prototype projector
Lang 35 mm prototype projector
Wooden model made by Carl Lang in developing his projector ideas. These wooden prototypes, and two others, were given to me by Bob Wilson.
Loffel, Phoenix, 35 mm projector, serial number 139 (gate mechanism missing), built by the firm of Walter Loffel of Leipzig Germany ca. 1926, the firm operated till 1933. Only 150 machines were made. Upper left hand sprocket and the gate mechanism are missing. A complete machine is in the collection of the Filmmuseums in Potsdam, Germany. This is one of two known to exist.
Reference: Kinematographische Apparate aus 100 Jahren, Berlin 2001, pages 82-83
LOFFEL

Loffel, Phoenix, 35 mm Projector, serial number 139
LOFFEL

Loffel, Phoenix, 35 mm projector, serial number 131
In the collection of the Filmmuseum Potsdam
Unsichtbare Schätze der Kinotechnik
Kinematographische Apparate aus 100 Jahren im Filmmuseums Potsdam
Berlin 2001, page 82
Lubin, 35 mm projector, complete on wood stand, Serial number 2832

*The King of the Movies Film Pioneer Siegmund Lubin* by Joseph P. Eckhardt
London, 1997, is the primary work on Siegmund Lubin
Lubin, 35 mm projector, detail
Lubin Cineograph 35 mm Projector, serial number 5473
MAZO

Cine Mazo, 35 mm projector, ca. 1920, crank new, serial number 3438

Mazo was apparently one of the very early makers of movie projectors As he is mentioned in Henry V. Hopwood, Living Picture, London 1899, pages 129, 167.
Messter, 35 mm Thaumatograph projector, a variant of model XI, 1902,
Serial number 578

“Ditmar Linke has given a very good clue to date your projector. Apparently the serial numbers were given to Messters projectors regardless of projector type. The surviving Model XII of 1904 has number 737, Model XV of 1908 is number 1016. This would place your machine indeed earlier than 1904, and would make it a (variant) of Model XI, thus 1902 is a probability indeed.”
Attribution made by Martin Koerber and Dietmar Linke of the Potsdam Film Museum, May 13, 2008.

This machine is almost if not totally machined from raw industrial steel and bronze. I cannot discern any castings. There were a series of Thaumatographs made by Messter and I assume only a small number of each model was made and it is possible that each machine may be unique in its own way.

Messter, 35 mm Thaumatograph projector, a variant of model XI, 1902,
Messter, 35 mm Thaumatograph projector, a variant of model XI, 1902,
Messter, 35 mm Thaumatograph projector, a variant of model XI, 1902,
Monarch, 35 mm projector, Serial number 3017
Note double shutters, the Lang prototype is the only other projector featuring two shutters.
Monarch, 35 mm movie projector, from an undated brochure
Motograph 1A, 35 mm movie projector, 1912, complete minus the wooden base, Made in Chicago, IL, USA, serial number 9112154
MOTIOGRAPH

Motograph 35 mm movie projector No. 1-A detail
Motograph 35 mm movie projector No. 1-A, from an undated catalog
Motiograph DE LUXE., 35 mm movie projector, Ca 1928, Serial number 2150507
Motioograph, 35 mm movie projector,

*The Motion Picture Projectionist, July 1928, page 16.*
Motiograph Model K, 35 mm movie projector, from an undated Motiograph catalog
Motograph 35 mm movie projector, model AA.
NITZSCHE

Nitzsche, Saxonia I, 35 mm movie projector, 1907, Serial number 636

The book by Ralph Nunthel *JOHANNES NITZSCHE KINEMATOGRAPHEN & FILMS*, 1999, is the primary work dealing with the Nitzsche projectors. In this book Nunthel lists three other known Saxonia I projectors plus he includes the Nitzsche Herkules as a type of the Saxonia I series.
Nitzsche, Saxonia I 35 mm movie projector

1907, made in Leipzig, Germany, serial number 636
Saxonia 1, 35 mm movie projector, 1907

Ralph Nunthel, Johannes Nitzsche Kinematographen & Films, page 17
Optica 35mm movie Projector ca. 1921-1926,
Optica GmbH, Berlin, Germany
Optigraph number 2, 35 mm movie projector, 1899, with lamp housing, Made in Chicago, IL USA, No serial number visible
Optigraph No. 2, 35 mm movie projector, from an undated catalog.
Optigraph number 3, 35 mm movie projector, 1900, with lamp housing, Made in Chicago, IL, USA, no serial number visible
Optigraph No. 3, 35 mm movie projector, ca. 1900, from an undated catalog
Optigraph number 4, 35 mm movie projector, 1907, with lamp housing,
Made in Chicago, IL, USA, serial number 122064
Optigraph, 35 mm movie projector No. 4, ca. 1907
Pathe-Lumiere, 35 mm movie projector, (first model?) 35mm projector ca 1902

This Machine seems to be a cross between the Lumiere Cinematographe and the Pathe machines. Who made it is uncertain as there are no inscriptions on the machine. It may very well be transitional model or a knock off of either The Lumiere or the Pathe machines or a little of both. Readers help welcome.
Pathe 35 mm movie projector, complete head with reel holder and film cans.
Serial number 19761
Pathe 35 mm movie projector, complete head with miniature lamphouse,
Serial number 35692
Pathe 35 mm movie projector
Pathé catalog, PATHÉ CONSORTIUM CINEMA, probably after 1920
Selig Polyscope. Complete projector with magic lantern, link chain driven mechanism, Table top model, made in Chicago, IL, USA serial number 18
Selig Polyscope. Complete projector with magic lantern, link chain driven mechanism, Table top model, made in Chicago, IL, USA serial number 18
William N. Selig was one of the early pioneers of Motion picture projectors who quickly grasped the potential of this new industry in its infancy. It is said that he fell upon this by accident and that his first projector was based on the Lumiere Cinematograph projector, possibly as early as 1896. *MOTION PICTURE PIONEER: The Selig Polyscope Company* edited by Kalton C. Lahue deals primarily with Selig films with little attention being made to his projectors.
Selig Polyscope, 35 mm movie projector, ca. 1907, serial number 417
POLYSCOPE

Selig Polyscope, 35 mm movie projector, ca. 1907, serial number 417
Selig Polyscope, 35 mm movie projector, ca. 1907, serial number 417
Selig Polyscope, 35 mm movie projector, ca. 1907, serial number 417
Peerless 35 mm movie projector
Made by George A. Knaak Co. in Oshkosh Wisconsin around 1906-1910
According to G. W. Dunston two models were made.
Peerless 35 mm movie projector,
Peerless 35 mm movie projector
Peerless 35 mm movie projector
THE OLD RELIABLE
“PEERLESS” PROJECTOR
The Best Machine for Traveling Shows or Small Theatres
“Underwriters Model”

“PEERLESS” EQUIPMENT
 Peerless hand power mechanism
 Upper film magazine
 Lower film magazine, attached below
 mechanism
 Takeup attached for lower magazine
 Standard size Stereopticon lens
 Standard size motion picture lens
 Pair condenser lenses
 Electric arc lamp, complete
 Rheostat, 110 volts
 Switch and Cable
 Lamp house, complete
 Automatic fire shutter; most practical in
 existence
 Table board with leg flanges

Set of adjustable table legs
Film shields are provided with every Peer-
less mechanism
Length of table board, 32 inches
Gas equipment instead of electric is furn-
ished if desired
Regular price, completely equipped.$150.00
Our special cut price .................... $125.00
Our Special 1916 Equipment. Peer-
less lamp house and base, mechan-
ism with outside shutter and spiral
cut gears. Regular........ $175.00
Our price ................................ $155.00
Deduct $15.00 on either equipment if lens
and rheostat are not wanted.

Peerless 35 mm movie projector
Ad courtesy Magic Lantern Castle Museum
Peerless portable, 35 mm movie projector,
Made by the Peerless Projector Co., New York, Serial number 10548
Similar to the 28 mm projector
Phébus Marseille (Super-Phébus) 35mm movie Projector 1921
A very sturdily built machine, on which I have no information on this machine other than that Carey Williams has informed me that a second machine of this type is in a Florida collection. Need information on this projector and the company that made it.
Phébus Marseilles 35mm movie Projector 1915
PHEBUS MARSEILLE

Phébus Marseilles 35mm movie Projector 1915
Rotoscope, 35 mm movie projector (Model One?), Made by William Charles Hughes of London in 1898
Rotoscope, 35 mm movie projector
Made by William Charles Hughes of London in 1898
ROTOPROPE

Rotoscope, 35 mm movie projector
Made by William Charles Hughes of London in 1898
Rotoscope, 35 mm movie projector
Made by William Charles Hughes of London in 1898
ROTOSCOPE

Rotoscope, 35 mm movie projector,
Made by William Charles Hughes of London in 1898

John Barnes, in Pioneers of the British Film Volume 3, London 1983, page 101, “Our illustration (46) [[above] reputedly shows the No 2 model;” The only difference I can see is the round “knob” above the crank gear which is not in my projector, thus possibly indicating my projector may be Model No. 1.
SIMPLEX

Simplex, Complete machine, my very first 35mm movie projector, purchased May 5, 1997.
Serial number 1050? An Early conversion to sound
SIMPLEX

Simplex 35 mm movie projector
Serial number 17626 on a Western Electric base
Simplex, 35 mm movie projector, complete machine with rectangular base, Serial number 56930, with a Christie Electric Corp. Xenolite model H-10, serial number HFD-656.
Solus 35 mm movie projector, 1924,
Portable projector on wood base with metal cover, Paris, France,
No serial number visible
Solus 35 mm movie projector, 1924,
Portable projector on wood base with metal cover, Paris, France,
No serial number visible
Superior 35 mm movie projector, type M. Serial number 1270. Manufactured by Coxsackie Holding Corporation, Coxsackie, New York, U.S.A. Patents 1923 and 1924.
Superior 35 mm movie projector
Zenith 35mm movie Projector 1920, model D,
Built by the “SAFETY PROJECTOR COMPANY” of Duluth Minnesota
Due to the great expense involved on placing subtitles on the film to be shown, the subtitles were placed on a different roll of film that had to be advanced by hand, by the projectionist one frame at a time and of course the projectionist had to understand the original language of the film so that the subtitles were in sync with the action on the film. For a more complete mechanism see Nikos Theodosiou, *Sta palia ta Cinema*, Athens 2000, p. 83. To see additional “titlers” see *A Compilation of GREEK MADE MOVIE PROJECTORS and other CINEMATIC EQUIPMENT* from information provided To Soterios Gardiakos by Nikos Theodosiou, Aurora-Kalamata 2002.

**35mm FILM ROLL - STILL PROJECTORS**

Society for Visual Education Inc., Instructor 1000, Serial 2469, heavy duty machine
After World War II while the rest of Europe was recovering from the wounds of this devastating war, Greece was plunged in a civil war that lasted for many years. The country was impoverished, people could not afford to buy the “View Master” and other similar devices so a cheap way was devised by splicing discarded films into single frames and viewed one at a time through a low priced plastic viewer illustrated below. The machine above was used to cut the 35 mm film into single frames which were than packaged and were sold cheaply to the public. I wish to thank my good friend George Panagiotides of Athens, Greece, for finding both of these unusual and extremely rare items,
II

28 mm MOVIE PROJECTORS
28mm PROJECTORS IN MY COLLECTION

Victor, Upper reel arm new, homemade lamp housing, serial number 1138
Pathe, KOK, 1913, crank and lamp house missing, serial number 8201

TOTAL: 2 28mm projectors in my collection.
III

22 mm MOVIE PROJECTORS
22mm MOVIE PROJECTORS IN MY COLLECTION

Home Kinetoscope, complete, reel assembly missing, serial number 3165
Home Kinetoscope, Head only, reel assembly missing, serial number 2376
Home Kinetoscope, complete, serial number 2880

TOTAL: 3 22mm movie projectors in my collection.
IV

17.5 mm MOVIE PROJECTORS
17.5 mm PROJECTORS IN MY COLLECTION

Anonymous, Mechanism exactly the same as the Biopticon and the Ikonograph, except it has a little smaller lamp housing.

Biopticon Style 2, missing fuel supply and film guide arm, Patent Jan 2, 1905

Ikonograph Model D, missing film guide, patent pending

TOTAL: 3 17.5mm movie projectors in my collection

Biopticon Style 2, 17.5 mm movie projector, missing fuel supply and film guide arm, patented Jan. 2, 1905

Film can with film for Ikonograph Type projectors

17.5 mm film
17.5 mm projectors, from a 1908 Advertisement
17.5 mm PROJECTORS IN MY COLLECTION

Enoch J. Rector designed and manufactured the Ikonograph as early as 1902, but certainly by 1905 it was in production. He apparently used the same projector mechanism for a variety of differently named or un-named machines. The best source for more information on these machines is Alan Kattelle, HOME MOVIES a History of the American Industry. 1897-1979, Nashua, New Hampshire, 2000.

Ikonograph model D, 17.5 mm movie projector

Anonymous, 17.5 mm movie projector
V

16 mm MOVIE PROJECTORS
**16mm MOVIE PROJECTORS IN MY COLLECTION**

Prototype 16 mm continuous film projector (non intermittent)
Amproarc-20, Complete machine, no legs, serial number 79785
Ampro, Model and serial number Y.C. 29095
25 other 16mm movie projectors
2 16mm toy projectors

**TOTAL: 30 16 mm movie projectors in my collection.**
Prototype 16 mm continuous film projector (non intermittent)
16mm MOVIE PROJECTORS IN MY COLLECTION

Amproarc 16mm projector, serial number 79785

Excel 16 mm toy movie projector in original box, copyright 1947
The packing box opens and as can be seen has a "screen" to project upon
16mm MOVIE PROJECTORS IN MY COLLECTION

Excel 16 mm toy movie projector in original box, copyright 1947

SUGGESTED READING
Lossau, Jurgen, Movie Projectors 16mm - 9.5mm - 8mm - single-8 - Super 8. Hamburg 2005, ISBN 3-9807235-4-2
Lossau, Jurgen, Movie Cameras 16mm - 9.5mm - 8mm - single-8 - Super 8. Hamburg 2000, ISBN 3-9807235-1-8
VI

9.5 mm MOVIE PROJECTORS
9.5mm MOVIE PROJECTORS IN MY COLLECTION

Baby Pathe, PB-Ex, no apparent serial number
Baby Pathe, F-P.B., no apparent serial number

TOTAL: 2 9.5mm movie projectors in my collection.

Baby Pathe PB-Ex 9.5 mm projector
VII

8 mm MOVIE PROJECTORS
8mm MOVIE PROJECTORS IN MY COLLECTION

20 8mm movie projectors
1 8mm toy projector in original box. HORIPET "DE Luxe"8mm speed control action movie projector. Made in Japan

TOTAL: 21 8mm movie projectors in my collection.

HORIPET "DE Luxe"8mm speed control action movie projector. Made in Japan

TOTAL 187 MOVIE PROJECTORS IN MY COLLECTION.
COMBINATION 8mm PROJECTOR AND CAMERA
IN MY COLLECTION

Wittnauer, Combination Projector and camera, base missing, serial Number 6916

Wittnauer, 8 mm, combination projector and camera, Set up to be used as a projector
VIII

MOVIE CAMERAS
MOVIE CAMERAS
In the collection of Soterios Gardiakos

35mm MOVIE CAMERAS IN MY COLLECTION

Beattie Oscillotron, type 14358, Model CS VH, type 14363 serial number 1020
ICA Kinamo
Universal, movie studio camera, identifying plates have been removed

TOTAL: 3 35mm movie cameras in my collection.

Universal Movie Studio Camera, 35mm. Crank not original
16mm MOVIE CAMERAS IN MY COLLECTION

Auricon Cinevoice Camera with 400’ magazine, model CM 72-A, 20-60mm zoom lens,
  Serial number A6-79,649, formerly used by NBC
Bell & Howell, Filmo Auto Load, single lens, serial number 665851
Bell & Howell, Filmo Auto Master, three lens turret, serial number 315947
Bolex H-16 deluxe, made in 1950, Serial number 52239, In Greece
Bolex H-16 supreme, made in 1954, serial number 68652
Eastman Kodak Co., Magazine Cine Kodak, one lens, no serial number visible
Eastman Kodak Co., Cine Kodak, One lens, no serial number visible,
Eastman Kodak Co., Cine Kodak Special, serial number 2984
Keystone Criterion model A-9, serial number LJ 3782
Keystone Model B1, serial number B-14359
Keystone Model B1, serial number 16720
Revere Magazine 16, serial number 5042291
Simplex Pockette 16, single lens

TOTAL: 13 16mm movie cameras in my collection.
16mm MOVIE CAMERAS IN MY COLLECTION

Left: Bell & Howell, 16 mm, Filmo Auto Load, single lens, serial Number 665851
Right: Bell & Howell, 16 mm Filmo Auto Master, three lens turret, serial number 315947

Bolex 16 mm camera,
H-16 supreme, made in 1954, serial number 68652
16mm MOVIE CAMERAS IN MY COLLECTION

Eastman Kodak 16 mm camera, CINE-KODAK SPECIAL serial number 2984.

Left: Eastman Kodak Co., Magazine Cine Kodak, one lens, no serial number visible.
Right: Eastman Kodak, Cine Kodak. One lens, no serial number visible,
16mm MOVIE CAMERAS IN MY COLLECTION

Upper Left: Keystone Model B1. Serial number 16720
Upper right: Revere Magazine 16. Serial number 5042291
Bottom: Simplex Pockette 16, single lens.
8mm MOVIE CAMERAS IN MY COLLECTION

Argus Super 810 Super Eight, lens: Cinepar 1:1.8 f=13mm, serial number 6145763

Bell & Howell 134 camera, serial number A46743
Bell & Howell Magazine Camera 172, lens: super comat 0.5 inch f 1.9., serial #S-92739
Bell & Howell Filmosound 8, model 442, SLR camera, serial number 65412
Bell & Howell Microstar Z, lens: zoom F/1.2mm to 26mm, serial number 01350062
Bell & Howell Filmosonic Super 8, model 1235U. Serial number 51600190
Bell & Howell Filmosonic Macro 8, Model 1238U, lens: power zoom, ser. #61620021
Bell & Howell Auto Load Optronic Eye, lens: duo speed zoomatic, serial #BB 48823
Bell & Howell Auto Load Optronic Eye, lens: duo speed zoomatic, serial #RE-55066
Bell & Howell, Auto Load Optronic Eye, Lens: duo speed zoomatic, serial # BL 55728
Bell & Howell Electric Eye, serial number R-63085
Bell & Howell Two Fifty Two, serial number M 21115
Bell & Howell Electric Rye, serial number O-5110
Bell & Howell Electric Eye, serial number R-63085
Bell & Howell Director Series, lens: three turrets, serial number AJ 90719
Bell & Howell Filmosonic, super eight with sound, lens: f/1.8-60mm macro lens.
    Serial number 61620021
Bell & Howell Focus-Matic 672/XL, Lens: power zoom, serial number 141,026
Braun Nizo S80, super 8mm, lens Schneider Kreuznach 10 589 267 variogon
    1:2.5/10-80, serial number 502766

Canon Auto zoom 518, Lens: zoom 8 9.5-47.55mm 1:1.8, serial number 374497
Canon Auto zoom 814, Lens: zoom C-8 7.5-60mm 1:1.4, serial number 287649
Crown EE Reflex Zoom, Lens: zoom f 12-32, serial number 193513
DeJur Fadematic, serial number 81292

Fujica Single-8 P1. Lens 1:1.8 11.5mm, no serial number visible.

GAF Anscomatic 62, serial number 9303330.
GAF SS 250 XL synchronized sound, serial number 037(?)

Hanimex XL 325. Lens: zoom F: 1.2 f=10.5~26mm. serial number 2504060
Honeywell Elmo Dual Filmatic, lens: zoom 1:1.8 f=9~36mm. serial number 460893

Jelco 8 EC-1, Lens: three turrets, Serial number 7337

Kodak, Cine Kodak 8 model 20, no serial number visible
Kodak, Cine Kodak Magazine 8, lens: single, serial number 71773
Kodak, Cine Kodak Magazine 8, lens: f 2.7 9mm anastigmat, serial number 235922
Kodak, Cine Kodak Eight-25, no serial number visible
Kodak, Brownie 8mm movie camera II, lens: single, serial number 2323417
Kodak, Brownie 3 turret lens, f/2.3., serial number 2283721
Kodak, Cine-Kodak Reliant, no serial number visible
Kodak XL-350, Lens: Zoom 9-21mm f/1.2, serial number 567348
Mansfield Holiday II, lens: fast f/1.8 three lens turret, serial number 252457
Minolta Autopak-8 K5, lens: zoom, 1:1.8/9.5-30
Minolta Zoom 8, serial number 143791
Minolta Zoom 8, serial number 146,906
Minolta XL-SOUND 64, no serial number visible.
Paillard-Bolex B-*, serial number 458316
Prinz Super-8 NS 40 SLR, serial number 660445

Revere Model 99. Lens three turrets, serial number 49252
Revere 40. Lens: single lens, serial number K 18856
Revere Eight Model Fifty Five, lens: single. Serial number R 01153
Revere Eight. Lens: single, serial number M-11347
Revere Ranger. Lens: single, serial number B-16850
Revere Model C-8, Super 8mm cine camera single 8, No serial number visible
Revere Electric Eye-Matic model CA-4, Lens: three lens turret. Serial number 36972

Sankyo Sound XL-605 super eight, Lens: zoom f=7.5~45mm, 1:1.2 macro. Serial Number 622341
Sankyo EM-60 XL, Lens: zoom f=7.5mm, 1:1.2 macro
Savoy Super Zoom Savoy 8 model 507, Lens: zoom f:1.8 f=7.5~30mm. Serial no. 74257
Sears TLS Reflex Zoom C-122, serial number 2122 9104452

Viceroy 225, Lens: zoom 1:1.8 f8.0~40.0mm, serial number 93233

Wittnauer Cine Twin WD400. Lens four turrets. This is a camera projector combination Machine, Base missing, Serial number 6916

Yashica Super 600 Electro, Lens: DX f/1.8 6 to 1 zoom 48mm. Serial Number 0113653.

TOTAL: 57 8mm movie cameras in my collection

TOTAL 74 MOVIE CAMERAS IN MY COLLECTION
IX

MAGIC LANTERNs
MAGIC LANTERN PROJECTORS
In the collection of Soterios Gardiakos

Anonymous #1, antique Mahogany and brass magic lantern, ca 1900
Anonymous #2, mint state stereopticon from the 1920’s
Anonymous #3, large antique wood and metal magic lantern or enlarger

Bausch & Lomb type 41-23-82, serial number 1372
Bausch & Lomb Magic lantern, Label eradicated. Cast Iron legs, condenser lens
Missing
Bausch & Lomb Dissolving Balopticon model BB. Double lens
Bausch & Lomb Model C Balopticon, Serial number 10539
Bausch & Lomb, Serial No. 34494, complete
Beseler model 3610, large gray metal magic lantern, serial number Y-91933
Best Device Company 500

Colt, Very early model
Colt, of the type used to light the early Phantoscope and Vitascope.
Comtoir General de photographie, Le, (In Greece)

Delineascope

Ernst Planck, small toy magic lantern, restored
Ernst Planck, Small toy magic lantern, no model or Serial number

J.S. (JEAN SCHOENNER) toy magic lantern in original wooden box with 3 1/8 X 9 1/4 Inch slides

McIntosh, No model number or serial number


Picture Recording Company. Professional grade movie house automatic forward Slide projector.

Victor Model 2, stereopticon on original tripod, Serial number 1303
Victor Model 2, tabletop, serial number 10922

TOTAL 22 magic lanterns in my collection
Anonymous #1, antique Mahogany and brass magic lantern, ca 1900

Anonymous #2, mint state stereopticon from the 1920’s
Bausch & Lomb Dissolving Balopticon model BB. Double lens
Colt Magic Lantern, Very early model.

Colt Magic Lantern of the type used to light the early Phantoscope and Vitascope.
ERNST PLANCK

E.P. small toy magic lantern, restored. Nuremberg, Germany.

EP: Ernest Planck, Small toy magic lantern, No model or Serial number, Nuremberg, Germany.
JEAN SCHOENNER

J.S., (Jean Schoenner) toy magic lantern in original wooden box with 3 1/8 X 9 ¼ inch slides, made in Nuremberg, Germany prior to 1905

McINTOSH

McIntosh Magic Lantern, No model number or serial number. Chicago, Illinois.
Victor Magic Lantern,
Model 2 stereopticon on original tripod, Made in Davenport, Iowa
X

OTHER EQUIPMENT
“My own contribution to this line was a Phantoscope toy (U.S. Patent No. 779,364, 1905) in which a flexible band was employed, the card being attached thereto by their lower ends and having a spaced relation of about five thousands inch. This close spacing of the cards assured a firm adhesion to the band and to each other.” C. Francis Jenkins, in the October 1920 in the Transactions of the SMPE journal:

We have a date of 1904 for the patent application and a date of 1905 for the granting of the patent.
PHANTOSCOPE

The inner workings of the Phantoscope
October, 1920, Transactions of the SMPE journal
PHANTOSCOPE
POSTCARD & PAPER ROLL STILL PROJECTORS
In the collection of Soterios Gardiakos

Anonymous, Burgandy, metallic paper roll projector
NIC, large green metallic paper roll projector
Ernemann Werke A.-G., Dresden postcard projector, 2 light bulb illumination
Keystone Pictograph, model 441, 2 light bulb illumination

TOTAL: 4 post card & paper roll still projectors

CAMERA LUCIDA
In the collection of Soterios Gardiakos

Optical Development Corporation, CLAIRE-VUE, with eight lenses
Holbein, Camera Lucida, with 12 lenses.

TOTAL: 2 “CAMERA LUCIDA” IN MY COLLECTION
REWINDERS AND SPLICERS
In the collection of Soterios Gardiakos

70mm splicers
Officine Mechaniche Dr. Leo Catozzo
Officine Mechaniche Dr. Leo Catozzo

35mm Editing Machines
Magnasync Movieola, Model UC-20-S, serial number 91731

35mm splicers
Griswold film splicer Model R-2, No. 35967
Brand unknown
Brand unknown
Construzione Incillatrici Rapide – Roma.

35mm rewinders
Brand unknown, Aluminum construction
Brand unknown, Cast iron
Lang, rewinder, only one of two needed

16mm viewers, splicers, rewinders
Magnasync Movieola. Model SXD, Serial number 93481
Bell & Howell Filmo, Viewer, rewinder & splicer. No model number
Excel. Toy rewinder mounted on wood board. No model number.
Graig. Master Rewinder & Splicer, no Model number
Kodascope Universal Splicer no model number

Combination 8mm & 16mm viewers, splicers, rewinders
Hollywood, Automat stainless steel splicer in original box
Mansfield, Little-Gem viewer, splicer rewinder

8mm viewers, splicers, rewinders

APPROXIMATELY 20 splicers and rewinders
REWINDERS AND SPLICERS

Magnasync Movieola, Model UC-20-S, Serial number 91731
TITLERS
In the collection of Soterios Gardiakos

Anonymous titler for photographing titles using an amateur movie camera. There is no Manufacturers name on this device Kodak, Cine Kodak Titler.

TOTAL: 2 Titlers in my collection

Anonymous Titler

Kodak, Cine Kodak Titler with Cine Kodak camera in place to film title
SOUNDHEADS
In the collection of Soterios Gardiakos
Approximately 40 sound heads

Klangfilm, Type 20101, serial no 32085 sound head

PROJECTING LENS
In the collection of Soterios Gardiakos
Bausch & Lomb, Cinemascope Attachment II, Serial number DE-1598
Superscope, Tushinsky superscope variable anamorphic projection lens ser no. A-1050
Superscope, Tushinsky superscope variable anamorphic projection lens ser no. A-1596

Approximately 100+ Lens, most for commercial grade 35mm projectors.

Bausch & Lomb, Cinemascope Attachment II, Serial number DE-1598
PROJECTOR LAMPHOUSES
In the collection of Soterios Gardiakos

Holmes, for use with a mazda lamp for Holmes silent projector ca 1922
Kinetoscope, early, folding top type for ventilation, complete
Kinetoscope, early, folding top type for ventilation, inner works missing
Motiograph, early, ca. 1910
Optigraph, black on ornate stand to be used with #4 Optigraph projector.
Powers, portable lamp housing
Simplex, early
Strong Junior-Hi, type 21600-3, serial number 18714
Schuler, unknown date, maybe from 1920’s

TOTAL: 10 projector lamphouses not attached to projector heads.

Optigraph, Black on ornate stand to be used with #4 Optigraph projector.
PROJECTOR LAMPHOUSE INNERWORKS
In the collection of Soterios Gardiakos

Edelmann Munchen, arc burner assembly made in Munich Germany (in Greece).
Beard, R. R., arc burner assembly, made in England, (Marked, R.R.B.)

TOTAL 2 projector lamphouse inner works only

Left: Edelmann Munchen, arc burner assembly made in Munich Germany (in Greece).

MOVIE AMPLIFIERS
In the collection of Soterios Gardiakos

Ballantyne Duo Soundmaster, model 60B, Serial number 161
Ballantyne Soundmaster
Motiograph Amplifier, model 7505
RCA photophone, Type PA-41, Model 4PA41A1, highly modified
RCA Victor, Photophone –High Fidelity, model MI-4283-A, serial number 3165
Simplex 35, amplifier

TOTAL: 6 movie amplifiers.
MOVIE SPEAKERS
In the collection of Soterios Gardiakos

Approximately 20 speakers made specifically for movie houses.

RECTIFIERS
In the collection of Soterios Gardiakos

Rect-O-Lite, type 30M
Strong, utility rectifier

Total: 2 rectifiers

SPECIAL USE

Wenzel Co, Intermittent holder for repair and or adjustment.

TOTAL: 1 Special use

Wenzel intermittent holder illustrated with an intermittent in place.
XI

FILMS

&

GLASS SLIDES
35 mm FILMS
In the collection of Soterios Gardiakos
FEATURE FILMS 35 mm

BURIAL GROUNDS, Date unknown, 5 reels
CHECK IS IN THE MAIL. Joan Daling, Brian Denhe. 1986, color, 91 min. 5 reels
CITY LIMITS. Date unknown, 5 reels
COMMUTEE, Date unknown, 5 reels
CONVENTION GIRLS, Joseph Adler, Nancy Lawson. 1974, color 113 min. 5 reels.
GARBAGE PAIL KIDS, Rod Amateur, Anthony Newly. Color 100 min. 5 reels
GARBAGE PAIL KIDS, Duplicate of above.
GATOR BAIT, Fred and Beverly C. Sebastian, Color 116 min. 5 reels
GIRL HAPPY, Elvis Presley. Color 96 min. 1965. 6 reels
GOOD WIFE, THE. Ken Cameron, Rachel Ward. 1986, color 92 min. 5 reels
GRADUATION DAY, Herb Freed, Christopher George. Color 96 min. 5 reels
HALLOWEEN, John Carpenter, Donald Pleasence. Color 93 min. 4 reels
JOHNY TIGER, Paul Wendkos, Robert Taylor. Color 102 min. 5 reels.
NIGHT OF THE COMET, Thom Eberhardt, Catherine Mary Stewart. Color 94 min,
  5 reels
NUTCRACKER, THE MOTION PICTURE, Carroll Ballard, Hugh Wade. Color
  89 min. 5 reels
OFFICE GIRLS, Date unknown, 5 reels
100 RIFLES, Jim Brown, Raquel Welch, Burt Reynolds. Color 110 min.
  5 reels
PHANTOM OF TERROR, Dario Argento, Tony Musante, Suzy Kendall. Color 1969, 5 reels
POWER, THE, Byron Haskin, George Hamilton, Suzanne Pleshette. Color 1968, 5 reels,
SAVAGE STREETS, Date Unknown, 5 reels
SCHOOL DAYS, Date unknown, 4 reels
SECRETARY, Date unknown, 4 reels
SHE’S 19 AND READY. Date unknown, 5 reels
  5 reels
SWORD OF THE SORCERER Duplicate
TEENAGE NINJA TURTLES, Date unknown, 5 reels
TEENWOLF TOO, Christopher Leitch, Jason Bateman, Kim Darby. Color 95 min
  5 reels
TERROR OF GODZILLA, Date unknown, 6 reels
THEIR WENT THATAWAY. Date unknown, 5 reels
TRICK OR TREATS. Gary Graver, Jackelyn Giroux. Color 1982, 5 reels

TOTAL: 30 complete 35 mm movie features.
35 mm FILMS

INCOMPLETE SILENT FEATURES
DUMMY LOVE, 1 reel
THE MAN FROM OKLAHOMA
WESTERN (title unknown) 1 reel
YELLOW STREAK, A. 2 reels.

TOTAL: 4 incomplete 35mm silent features

INCOMPLETE FEATURES, TALKIES 35mm
Maybe 100 reels of incomplete features

CARTOONS 35mm
Cartoon
Cartoon
Cartoon
Cartoon
Cartoon
ALICE’S EGG PLANT, Walt Disney 1925, silent

TOTAL: 7 35mm cartoon reels

DOCUMENTARIES 35mm
Demonstrators protesting the Greek Kings and Queens visit to London. Early 1960’s
1 small reel
ROLLING STONES and DAVE CLARK FIVE CONCERTS, 1 reel
OVER THE MOUNTAINS TO THE PACIFIC, 1 reel
WILDING, contents unknown, 1 reel
PIGS, maybe a farm documentary, 1 reel
MEETING HALL, contents unknown, 1 reel

Total 6 35mm documentaries

TRAILERS 35mm
Approximately 50+ trailers

Total 50+ 35mm trailers

TOTAL: Approximately 97 35 mm films
22 mm FILMS
In the collection of Soterios Gardiakos

WILLIES RESTORING SALT, Class A., N 29A
HOW SIMPLE, Class B
DOCTORED DINNER PALE, class B
THE FARMERS DAUGHTER, class C

TOTAL: 4 22mm films

WILLIES RESTORING SALT, Class A., N 29A.
Edison rented his films and mailed them in metal film canisters after viewing the film you mailed the canister with the film back to Edison.

17.5 mm FILMS
In the collection of Soterios Gardiakos

Made by the Ikonograph Company of America
Disappearing Tramp (no number) 10 feet
Miniature Railway (no. 26) 10 feet
The Soul Kiss (no. 56) 5 feet
Boys diving (no. 63) 5 feet

TOTAL: 5 17.5 mm films
16 mm FILMS
In the collection of Soterios Gardiakos

ALEXANDER THE GREAT, Richard Burton, 1956, 3 reels
ARISTOTLE’ ETHICS - THEORY OF HAPPINESS, 1 reel
BOY ON A DOLPHIN. Sophia Loren, 1957, 2 reels
DREAM OF KINGS, Anthony Quinn, 1969, 3 reels
DREAM OF KINGS, Anthony Quinn, 1969, 3 reels (duplicate copy)
EL GRECO, Peter Yates, 1985, 3 reels
EARS OF KING MIDAS, 1 reel
GREEK LYRIC POETRY, 1 reel
IT’S A GREEK LIFE, 1 reel
LIFE IN ANCIENT ATHENS, 1 reel
MELINA MERCOURIS ATHENS, 1 reel
NIKO BOY OF GREECE, 1 reel
NIKOLINA, 1 reel
OEDIPUS REX – THE AGE OF SOPHOCLES lesson one, 1 reel
OEDIPUS REX – THE CHARACTER OF OEDIPUS. Lesson two, 1 reel
OUR INHERITANCE FROM ANCIENT GREECE, 1 reel
POPEYE, 3 cartoons, 1 reel
STRUCTURE OF THE EPIC, THE, 1 reel

Plus over 100 Educational reels and others.

TOTAL: 119 cataloged 16 mm features etc

9.5 mm FILMS
In the collection of Soterios Gardiakos

MAKING AN ETCHING, Pathe G1, 50 feet
ACROPOLIS AT ATHENS, No. 550 Pathe T-1, 30 feet
BANIA handwritten title in Greek, scenes of Athens in the 20’s or 30’s, 50 feet

TOTAL: 3 9.5 mm films
9.5 mm FILMS

Acropolis at Athens 9.5mm film cover

8 mm FILMS
In the collection of Soterios Gardiakos

500 Foot Reel
CARTOONS

250 foot reels
ABBOTT AND COSTELLO – FOREIGN LEGION
ABBOTT AND COSTELLO – FRANKENSTEIN
ABBOTT AND COSTELLO – NO INDIANS PLEASE
ABBOTT AND COSTELLO – MEET FRANKENSTEIN
BEACH ADVENTURE
CAMP OF THE DEAD
CAPTAIN BLOOD
CODE OF THE WEST
DESTINY OF CLEOPATRA
DIZZY DOCTORS – the three stooges
DRACULA – Bela Lugosi
GREECE AND ITS BEAUTIFUL ISLANDS
IT CAME FROM OUTER SPACE
THE HORRIBLE TOOTH – the little rascals
LAND OF THE SHAMROCK
LAND OF THE SHAMROCK – duplicate
LION AND TIGER FIGHT
LONGEST DAY, THE
MAN – MADE MONSTER
MIGHTY MOUSE
8 mm FILMS

MISSION: 22 ORBITS. Flight of Astronaut Gordon Cooper
MUMMY’S TOMB. THE

NEW YORK – THE DYNAMIC CITY
NEWS PARADE OF 1963
PRINCESS CINDERELLA
RAILROAD STORY
SPECTACULAR NEW YORK
TAKE BUS, PAY LATER
TERMITES FROM MARS
WAR BABIES – Shirley Temple
YOU’RE IN THE ARMY NOW

100 foot reels
BONE SWEET BONE – Warner Brothers cartoon
BOOBY HATCHED – Warner Brothers cartoon
FIRST SPACESHIP ON VENUS plus preview attractions
PORKY PIG – Warner Brothers cartoon
RABBIT PUNCH, Bugs Bunny, Warner Brother cartoon

50 foot reels
ABBOTT AND COSTELLO – HAVE BADGE WILL CHASE
CREATURE FROM THE LAGOON, THE
DOUBLE CROSS AT CRISS CROSS, Western
IT CAME FROM OUTER SPACE
LAUGH RIOT, A. A W. C. Fields comedy
SAGAS OF THE WEST
SCENES OF THE PEARL HARBOR ATTACK ON DECEMBER 7, 1941
WAR OF THE PLANETS

TOTAL: 45 cataloged 8 mm films.

26 rolls of home film of the Gardiakos family mostly from the 1960’s
Approximately 100 other rolls, mostly others home movies

TOTAL: Approximately 126 8 mm films not cataloged
8 mm FILMS

Some 8mm film covers
GLASS SLIDES
In the collection of Soterios Gardiakos

31 Home Kinetoscope slides
8 Victor Glass slides of Greece
5 Glass slides made by Walter L. Isaacs maker of the Charles Urban Bioscope
11 long glass slides for children’s magic lantern.
350+ 3 ¼ X 4 inch glass slides, mostly of Greece, early 1900’s, old Athens as well as many archaeological digs, sites, statues, vases, maps etc.

TOTAL: approximately 350+ glass slides.

A sampling of some of the Greek glass slides in my collection from Photographs made from the slides by George Panagiotides
XII

PAPER
BOOKS AND LITERATURE
In the collection of Soterios Gardiakos

BOOKS

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Bennett, Colin N. THE HANDBOOK OF KINEMATOGRAPHY, second edition
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Bernstein, Arnie. HOLLYWOOD ON LAKE MICHIGAN – 100 years of Chicago and
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Vestal, NY, 1986


Braun, Marta. PICTURING TIME – The Work of Etienne-Jules Marey (1830-1904)
Chicago, 1992,

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Manhattan Beach, N.Y. 1928.

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Chanan, Michael. THE DREAM THAT KICKS – The prehistory and the early years
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BOOKS & LITERATURE

Coryell, Keith R. ENTERTAINING AURORA – The history of entertainment in Aurora, IL highlighted in text and pictures. Aurora, Illinois, 1994

Dickson, W.K.L. and Antonia, HISTORY OF THE KINETOGRAPH, KINETOSCOPE AND KINETO PHONOGRAPH, Copyright 1895, this is a reprint


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Fielding, Raymond, A TECHNOLOGICAL HISTORY OF MOTION PICTURES AND TELEVISION, Berkeley and Los Angeles 1967

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Guttenridge, Robert W. MAGIC MOMENTS – First 20 Years of Moving Pictures in Toronto (1894-1914), Toronto Canada, 2000

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Hendricks, Gordon. THE KINETOSCOPE – America’s First Commercially Successful Motion Picture Exhibitor, New York 1966

Hopwood, Henry V. LIVING PICTURES – Their History, Photo-production and Working… London 1899.
Hulfish, David Sherrill, CYCLOPEDIA OF MOTION PICTURE WORK: A GENERAL REFERENCE WORK (1911), Chicago 1914 copyright 1911
BOOKS & LITERATURE

Jobes, Gertrude, MOTION PICTURE EMPIRE, Hamden, Connecticut, 1966
Johnston, Alva, THE GREAT GOLDFYN, New York, 1937

KINTOP Schriften 2, OSKAR MESSTER – FILMPIONIER DER KAISERZEIT, Frankfurt, 1994

Lahue, Kalton, MOTION PICTURE PIONEER – The Selig Polyscope Company, South Brunswick and New York, 1973
Liesegang, Franz Paul, DATES AND SOURCES – A contribution to the history of the Art of projection and to cinematography, London 1986
Lobel, Leopold, LA TECHNIQUE CINEMATOGRAPHIQUE PROJECTION FABRICATION DES FILMS, Paris 1912
Lossau, Jurgen, MOVIE CAMERAS – 16mm – 9.5mm – 8mm – Single-8 – Super 8. Hamburg, 2000

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Philadelphia 1913

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Theodosiou, Nikos, TA THAVMASIA TOY K. EDISON, Pirgos 2000
Trutat, Eugene, TRAITE GENERAL DES PROJECTIONS, Paris 1897
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TOTAL: 93 books

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Journal of the SMPTE, 41 volumes, 492 issues
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December 1929
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McKee, Gerald, THE HOME CINEMA, 10 pages. Photocopy
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September, October, November, December 1942 issues
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TOTAL 519 periodicals and pamphlets catalogued
TRADE CATALOG AND MANUALS

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Ampro, AMPRO PRECISION CINE EQUIPMENT, 1946-1947 Catalog
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Long Island City, NY. No date.

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Bausch & Lomb Optical Co. BALOPTICONS AND ACCESSORIES – With a forward
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Campbell Company, A. S. THE CELLO AND GRAPHOSCOPE PROJECTORS,
New York, no date
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EDISON KINETOGRAM, THE, Vol. 4 No. 8, May 15, 1911
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Chicago, USA, undated, letter with catalog bears a date of 1919.
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Nitzsche, THE LATEST PROJECTOR S.V, Saxonia V.
TRADE CATALOG AND MANUALS

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PATHE CONSORTIUM CINEMA – ETABLISSEMENTS CONTISOUZA
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London, ca 1912.

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Schneider, Eberhard, EBERHARD SCHNEIDER’S ”MIOR VITAE” STEP PRINTE,
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& MAKING OF SCENIC MOTION, undated brochure

War Department. PROJECTOR AN/TEQ-4 (Ampro Carbon Arc Model AA)
July 24, 1945. photocopy.

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TOTAL 531 trade catalogs and manuals.

Approximately 600+ books, catalogs, and periodicals related to movies not yet cataloged.
20 American movie posters
12 Greek movie posters.
3 Mexican movie posters
1 poster of the FILM-O-PHONE phonograph sound projector. Two sided 20” x 30”

1899 Optigraph poster sold through the Sears and Roebuck catalog
The Way to a Woman’s Heart, Eugenie Besserrer, Charles Clary, August 30, 1915, 2 reels Selig Films.
ORIGINAL ANIMATION CELLS
In the collection of Soterios Gardiakos


In addition:
4 original *Teenage Ninja Turtles* animation cells.
7 original *Smurfs* animation cells.
3 original anonymous animation cells

TOTAL 15 ANIMATION CELLS IN MY COLLECTION
Melachrino is the tobacco shop where two enterprising Greeks, Georgiadis and Tragides met R. W. Paul of England and asked him to manufacture peephole Kinetoscopes on their behalf. R. W. Paul was only too happy to do so and manufactured about 50 of these machines, one of which is in the Cinemathique Française in Paris, France. An excellent account of this encounter is written by Nikos Theodosiou, in his book O METANASTIS KINIMATOGRAFOS, Athens 2003, which is written in Greek
As my Daughter Chryssafenia sees me
Gary Cooper somewhere in the Pacific entertaining the troops during World War II
Photos are 3 3/4 x 4 3/4 inches,
On the back all stamped PASSED BY EXAMINER - BASE 2460 ARMY

GARY COOPER
XIII

FACILITIES
FACILITIES

Here are some views of my collection located in Aurora, Illinois, where this collection is kept. The main floor occupies an area of 1,848 square feet, (172 square meters) in size with a main room to show the collection and an adjacent conference, library and study area.

There is an even larger basement for storage of parts and a complete machine shop for repairing damaged parts and even making entirely new parts where it will enhance the particular projector. There is absolutely no drilling or any new machining on any projector or other equipment for that matter. All new parts are not painted so the viewer will be able to easily distinguish original equipment from new replacement with one exception that being the reel arm and shutter on the Warwick projector.

The collection is shown by special arrangements only, by contacting us.

Magic Lanterns in the background.
FACILITIES

Movie projectors
Movie projectors
FACILITIES

Movie projectors
FACILITIES

Study and conference room
XIV
BOOKS WRITTEN
by
SOTERIOS GARDIAKOS
BOOKS AND MONOGRAPHS WRITTEN BY SOTERIOS GARDIAKOS

October 1, 2011

Relating to Movie Machinery


A Warwick (Baucus & Maguire Ltd.) spoolbank Projector ca 1897 In the Collection of Soterios Gardiakos, Photographs by Katerina Nike Gardiakos. 2001, ISBN 0-9777537-0-0, June 1, 2008 49 pages


A Compilation of Greek made Movie Projectors and other Cinematic Equipment. From information provided to Soterios Gardiakos by Nikos Theodosiou. 2002.
ISBN 0-9777537-2-7, June 20, 2009, 60 pages

Kinematic Peephole Machines Using a Continuous Strip of Film or Paper, 2002 ISBN 0-9777537-5-1, June 22, 2010, 73 pages

LeRoy Projectors, An enigmatic pioneer in the quest to project motion pictures on the big screen. ISBN 0-9777537-7-8, July 17, 2008, 48 pages

Optigraph 35 mm projectors, August 23, 2008, 49 pages


A Prototype 35 mm Movie Projector in the Collection of Soterios Gardiakos Made by Carl J. Lang (Lang Manufacturing works) of Olean, New York, March 15, 2010, 56 pages

Peep Show Phantoscope ca 1904-1905 made by C. Francis Jenkins in the Collection of Soterios Gardiakos, November 22, 2010, 73 pages


Cineograph movie projectors and some cameras Made by Siegmund Lubin 1896-1916 A checklist, October 25, 2011 62 pages

From the JENKINS PHANTOSCOPE to the ARMAT VITASCOPE Chronologically arranged, June 25, 2011, 132 pages

226
Works in progress relating to movie machinery

A Possible Classification of Thomas Edison’s Kinetoscopes, 2002, (Incomplete, work in progress)

35mm Movie Projectors, A work in progress with over 1,300 pages so far. (Dec. 2006)

Relating to Numismatics

The Coinage of Modern Greece, Crete, the Ionian Islands and Cyprus, Chicago, 1969, ISBN 0-916710-02-5, 96 pp, + 16 plates, hardbound


ISBN 0-916710-67-x, 32 pp, illustrated, maps, tables, paper cover

The Coinages of Alexander the Great, S. Gardiakos Editor. ISBN 0-916710-82-3, 1,007 pp, +157 plates, hardbound in three volumes

Books on Soterios Gardiakos

The Sculptures of Soterios Gardiakos, (From the Bronze age to the Modern Age)

Selections from the collection of Soterios and Irlanda Gardiakos, September 20, 2011, 218 pages

MY LIFE an illustrated photo album of me, my family and my friends, from the early twentieth century to the present. July 30, 2011, 389 pages

Site on Movie Machinery: http://bioscope.biz/

Site on Sculpture: http://gardiakos.com/

Email: sgardiakos (omit) @aol.com

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