

A Century of Chicago Made Globes

In the century after recovering from the Great Fire of 1871 until the 1970's, Chicago established on its "broad shoulders" the greatest globe design and manufacturing powerhouse (facilities) in the United States. From the first **Holbrook** globe made by **A.H. Andrews** while the city was just recovering, to the culmination of the **Rand McNally, Weber Costello, Replogle, Nystrom, Denoyer-Geppert** (and other Chicago globe makers) preeminence, there were at least nine globe makers active in the Windy City. They seemed to thrive on competition, spurring innovative designs and manufacturing breakthroughs.

In the process of this swift growth **Holbrook** became **A.H. Andrews** about 1872, which became **C.F. Weber** in the early 1890's. **Weber Costello** replaced Weber in 1907 and continued making fine globes into the 1960's. Their claim to fame was the pair of fifty inch diameter matching globes they constructed during World War II, one of which was sent to FDR and the other to Churchill in London so they could coordinate strategic plans while looking at the same globe.



Rand McNally remained in the family for that entire century. Like A.H. Andrews, Andrew McNally was a canny Scot who had the foresight to bury two printing presses on the lakeshore during the fire, and thus was the first printer up and running when the city leaped up from the ashes. McNally switched to the cerographic (wax engraving) method to quicken the constant changes in railroad maps and guides. Innovation also enabled the firm to launch prolific globe production in 1891 just prior to the Columbia Exposition which brought world recognition to Chicago during the late 19th Century.

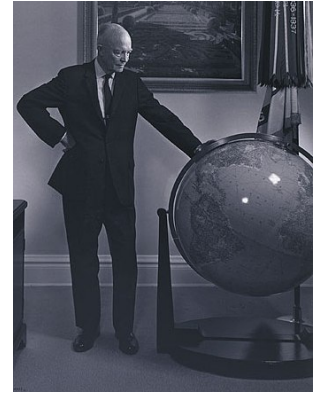
Small globes were also bought from eastern makers to mount on ingenious stands such as the cast iron pencil trimmer with the three inch **Schedler** globe imprinted: "**WORLD'S COLUMBIA EXPOSITION, CHICAGO, ILL. 1893.**"

George F. Cram rounds out the globe makers of this period with a single example of an imaginative floor globe on copper stand that folds like an umbrella. The firm moved to Indianapolis in 1928.

A.J. Nystrom prospered through their relationship with the Scottish firm of **W.& A.K. Johnston**, largest producers of globe gores in English. Like most of the Chicago globe makers, they specialized in educational products, including wall maps as well as globes.

In fact, Johnston gores were used in many of the Chicago globes with the design and manufacture of the orb and stand the local contribution. Among those who worked with Johnston were Philip Denoyer and Otto Geppert who founded **Denoyer-Geppert** in 1916 making globes and other educational apparatus. They continued producing school globes into the 1980's.

Luthur Replogle is another example of a Chicago globe maker with self-reliance and imagination. A former salesman for **Weber Costello, Replogle** began by making globes in his basement and became so proficient that he contracted with Marshall Field to make globes for the 1933 Chicago World's Fair. He went on to create some of the most original designs, such as the "Surprise" tin globe that is an Earth on the outside and a celestial globe on the inside (borrowed probably from the 18th Century pocket globes that had an earth globe inside hinged hemispheres depicting the stars and constellation).



Replogle and **Cram**, as well as **Nystrom** were acquired by **Herff Jones** Inc. of Indianapolis. Replogle and Cram globes are still produced and sold, but the Nystrom division was closed in 2014. Rand McNally continues to produce and sell maps, atlases and globes from Skokie, Illinois.

Chicago's globe industry grew with the city for the better part of a century. At the peak there were at least half a dozen major globe makers making Chicago the globe producing capital of the globe.

CHICAGO GLOBES



337 Chicago-made globes in stock at MURRAY HUDSON –
ANTIQUARIAN BOOKS, MAPS, PRINTS & GLOBES
www.antiquemapsandglobes.com

MANUAL
OF
ILLUSTRATIVE TEACHING,

DESIGNED TO EXPLAIN THE USE OF

SCHOOL APPARATUS.

By DAVID N. CAMP,
PRINCIPAL OF CONNECTICUT STATE NORMAL SCHOOL.

CHICAGO:
GEO. & C. W. SHERWOOD.
1866.

Rare Pre-Fire
Chicago Imprint
Globe, Map and
Apparatus Manual

Globe Maker: Geo.
& C.W. Sherwood;
Cartographer:
Camp, David N.
1866

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GLOBES.

60 minutes, marked ' ; every minute into 60 seconds, marked '' ; and these are used in the measurement of arcs.

CHORD. A Chord is a right line joining the ends of an Arc.

SEMI-CIRCLE. Half a Circle cut off by the diameter.

QUADRANT. Half a Semi-circle, or one-fourth of a whole Circle, bounded by two radii. A Quadrant contains 90° .

QUESTIONS.—What is a Globe or Sphere? Define Axis. Poles, Circle. Great Circle. Small Circle. Circumference. Radius. Diameter. Arc. Into how many degrees is every Circle divided? How are degrees and minutes divided? Define Chord. Semi-circle. Quadrant.

II. GLOBES.



GLOBE. In school apparatus, the term Globe is applied to an artificial sphere of paper, wood, or some other solid substance.

GLOBES.

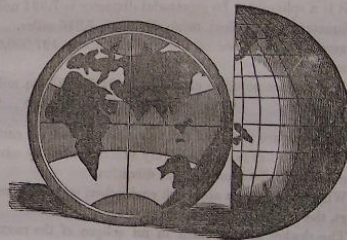
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A **BLANK GLOBE** is one on which no lines or marks are drawn.

A **OUTLINE GLOBE** has lines to represent various circles, as meridians, parallels, the equator, or tropics.

A **TERRESTRIAL GLOBE** is one upon which are represented the oceans, seas, continents, islands, and other divisions of the earth's surface.

A **CELESTIAL GLOBE** is one upon which are represented the constellations of the heavens.



THE **HEMISPHERE GLOBE** is composed of two half globes or hemispheres, usually connected by a hinge, so that they will open and represent the earth on both a plane and spherical surface.

Small globes are usually mounted upon a simple standard, with the axis of the globe inclined $23^\circ 28'$ from a vertical line, so that when in proper position, the north pole will point toward the north pole in the heavens.

Larger globes are mounted so as to turn in the circumference of a circle of brass or other metal, which is called the brazen meridian. This meridian is divided into degrees. The upper



**Holbrook
Apparatus
Mfg. Co.
Hartford, CT.
(Terrestrial
Globe)
c1840.**

C. W. Holbrook's
Twelve Inch
Globe.

A. H. Andrews &
Co.
c1872.



NEW TERRESTRIAL GLOBES.

A good Globe, like the dictionary, should always be close at hand for reference.

The teacher needs one, and cannot get along without it!

Object-Teaching is now considered an indispensable method.

Pictures are better than pages for educating the young. But the **Globe** is more than a picture; it is a tangible object that may be handled, a *fac-simile of the earth* on which we live. No map can take the place of a globe, which shows the relative positions of countries and places in respect to their latitude and longitude. The Globe also shows how degrees of longitude grow shorter as we approach the poles, while the degrees of latitude remain the same.

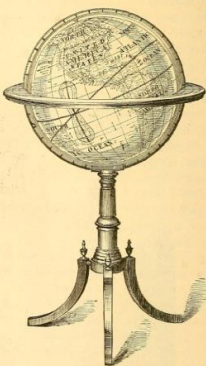
No article of furniture gives such a refining effect to the home or our schools as a *good globe*.

Our Globes are the *handsomest and strongest* that are made. They are *thoroughly revised to date*. They cannot be broken, or even cracked, being hollow, of several layers of *paper mache*, and thoroughly braced.

The polished **Brass Meridians** are marked distinctly to show the degrees of latitude, while the longitude is marked on the Equator.

The flexible **Quadrant** of brass, also, has degrees marked upon it for measuring distances.

On the **Horizon** are the degrees of latitude, the names of the months, and the twelve signs of the Zodiac, by which one may find the position of the Sun in the ecliptic on any day in the year. The altitude, declination, time of rising, setting, etc., of the Sun are also shown.



12-INCH GLOBE, TRIPOD STAND.

No. 20. Nickel Plate, Complete, \$40.00
No. 21. Polished Brass, " 35.00

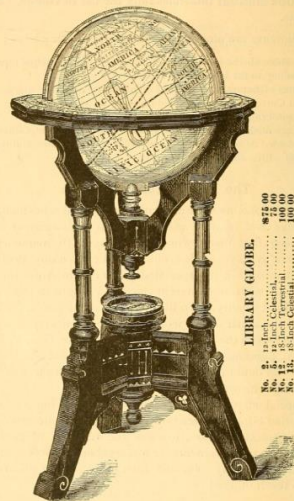
Digitized by INTERNET ARCHIVE

Original from LIBRARY OF CONGRESS

6. The Horizons of Nos. 28, 29, 46 and 47 are on separate layers of wood glued together so as to cross grains, rendering them light and very strong.

7. The 8 inch Globes are convenient for measurement, there being 1000 miles to every inch on the surface.

8. Twenty-four meridians are represented, which makes the reckoning of time very easy, there being one hour for each meridian.



LIBRARY GLOBE.

No. 2. 12 inch, \$125.00
No. 3. 14 inch, 150.00
No. 4. 16 inch, 175.00
No. 5. 18 inch, 200.00
No. 6. 20 inch, 250.00

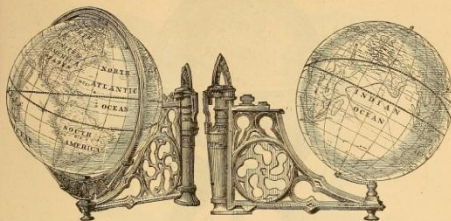
9. They are of the most convenient size for general use, and where provided with horizons or meridians, are movable on their equatorial axis, allowing of convenient inverting for examination of the Southern hemisphere.

10. Parts representing water are colored blue, which, besides making a better looking globe, prevents their showing signs of wear.

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Original from LIBRARY OF CONGRESS

12-INCH GLOBES.



Bracket Globe—Meridian.

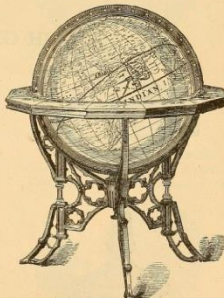
Bracket Globe—Plain.

No. 31.....\$20.00. No. 32.....\$16.00.

These Bracket Globes are attached to the wall, thus preventing the possibility of being upset. The Globes are easily detached for handling in the presence of the class, and can be instantly replaced.



High Wood Stand—Plain.



Low Bronzed Stand—Complete.

No. 26.....\$18.00. No. 27.....\$30.00.

No. 16, 18-inch Terrestrial or Celestial (new), mounted strong but plain, like No. 26, \$50.00.

Digitized by INTERNET ARCHIVE

Original from LIBRARY OF CONGRESS



Scarce Andrews
Tellurian Circa 1872
in Original Case

Andrews Eight Inch
Terrestrial globe
(on a tellurian)







Rare Andrews 30 Inch Floor Globe in American Renaissance Revival Ornate Stand circa 1875



HOW TO USE GLOBES

IN THE
SCHOOL AND FAMILY.



TWELFTH EDITION.

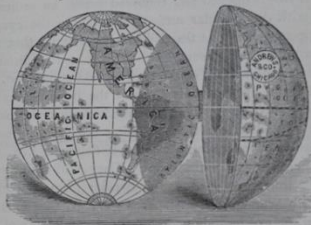
CHICAGO:
PUBLISHED BY A. H. ANDREWS & CO.

Terrestrial Globes.



The globe represented in this cut is strongly made, of firm material, and so mounted on a simple pedestal that it can be readily removed and suspended by a cord, and thus be more conveniently used for many illustrations, with a class, than if mounted in the usual manner. It is suitable in size, (5 inch.) for common use in the school-room, as it can be easily held in the hand, or passed round the class, and yet answers all the main purposes of the larger sized globes. There are twenty-four meridians; hence, the difference in time is easily reckoned, being one hour for each meridian on this globe. The outlines of the continents are strongly marked, that the countries may be

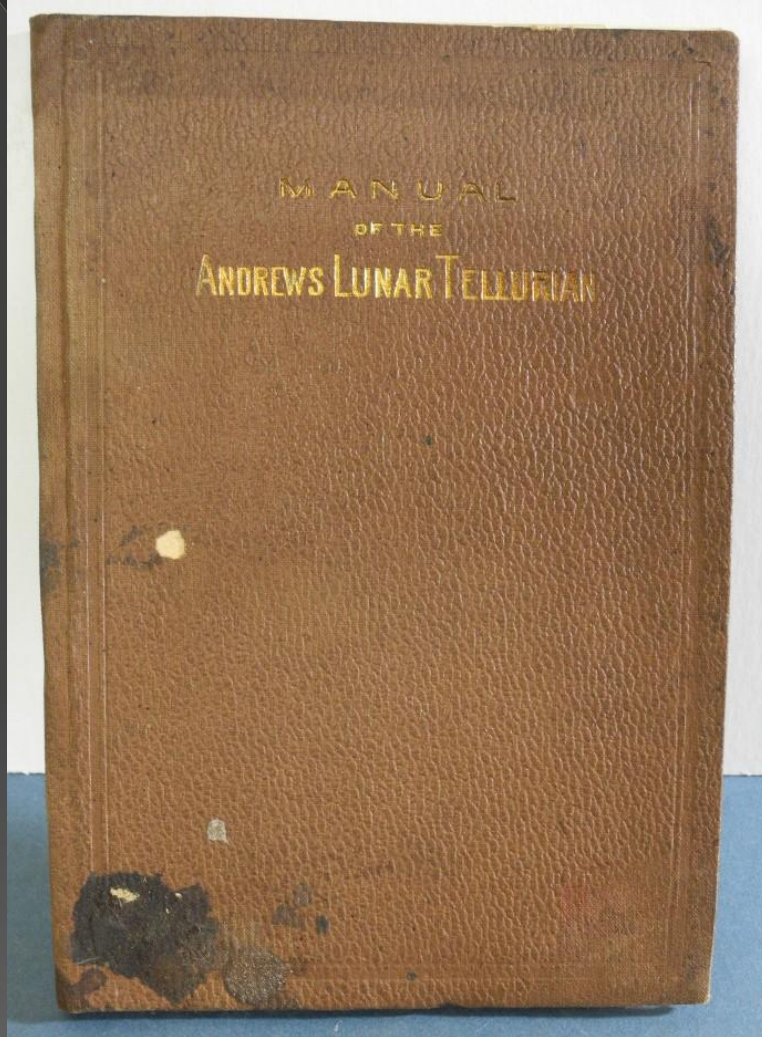
HEMISPHERE GLOBE

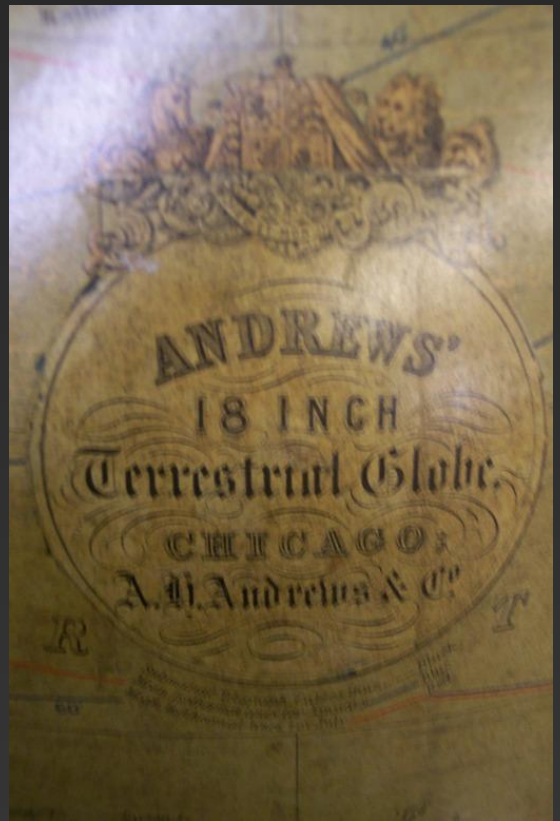


When pupils have become familiarized with the fact that the earth is round, like the globe, they can not reconcile the impressions given on the maps with those given by the globe. The map of the world shows two North and two South poles, the globe *only one* of each; and the globe is the acknowledged standard. The map shows curved lines; on the globe all lines are straight. On the map, a part of Asia is far separated from the rest, but the globe represents Asia as a whole; while the Pacific islands which, on the globe, lie near each other, on the map appear at different sides of the earth. The mind of the child asks, why these differences. And teachers know, by wearisome experience, how difficult it is to reconcile such impressions. Some teacher, putting into practice a happy suggestion, invented the Hemisphere Globe, which affords a most complete solution of such knotty problems.

HOW TO USE
GLOBES IN THE
SCHOOL AND
FAMILY. A.H.
Andrews & Co.
1882.

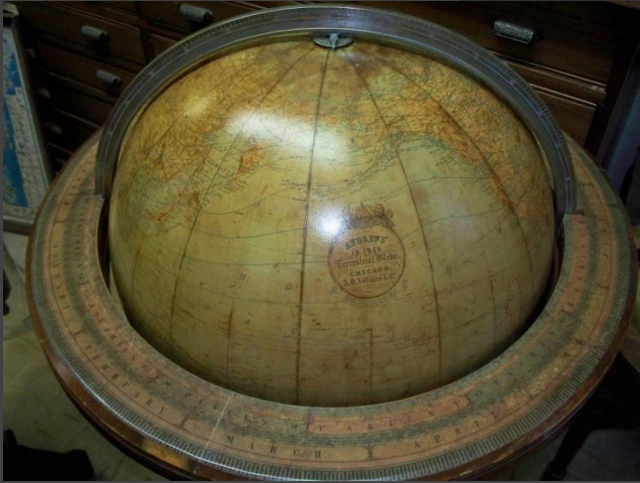
Rare Andrews Manual
for Teaching with the
Andrews Tellurian.
1888.





Rare High
Victorian
American
Renaissance
Floor Globe
with 18 Inch
Andrews -
Johnston Orb
c1890

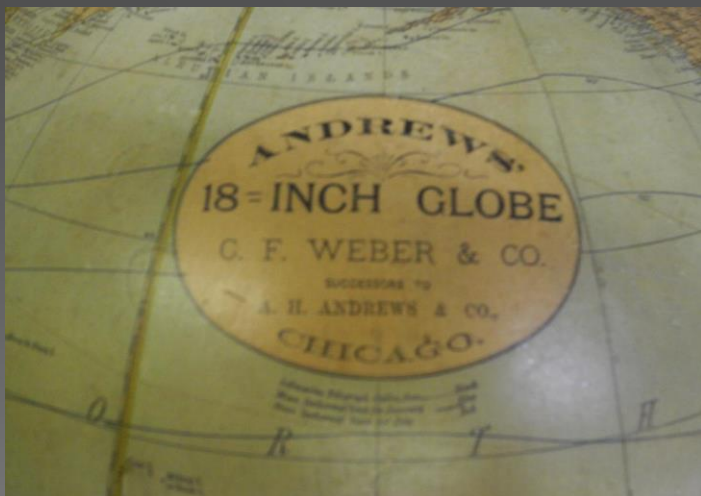
18 Inch Andrews
Floor Globe
c1890





Unusual 12 Sided
Horizon Ring Full
Mount
Andrews/Weber
c1890.





Dramatic 18
Inch Andrews
Table Globe by
C. F. Weber-
Chicago on
Tiered Walnut
Base
c1890-1895.

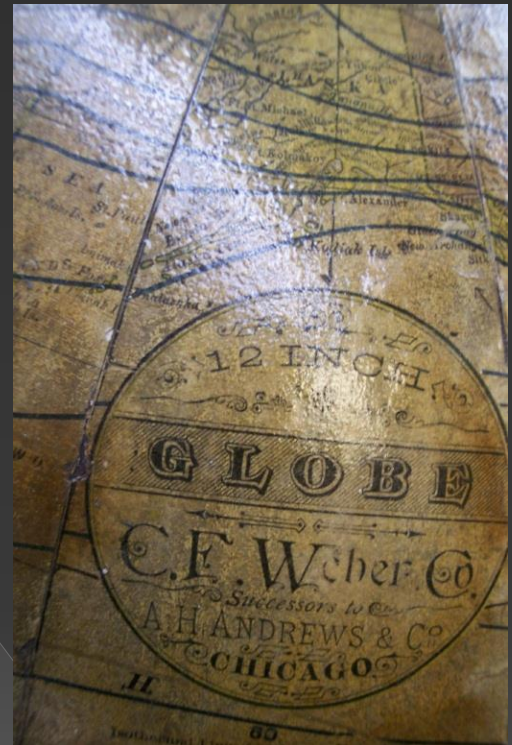


Scarce "Weber
Successors to
Andrews"
Transitional
Globe/ Brass
Fluted Column
Stand. c1891.



Extraordinary Walnut
Stand Including Walnut
Meridian
12 inch Globe
C.F. Weber Co.
successors to A.H.
Andrews & Co. Chicago.
c1892.

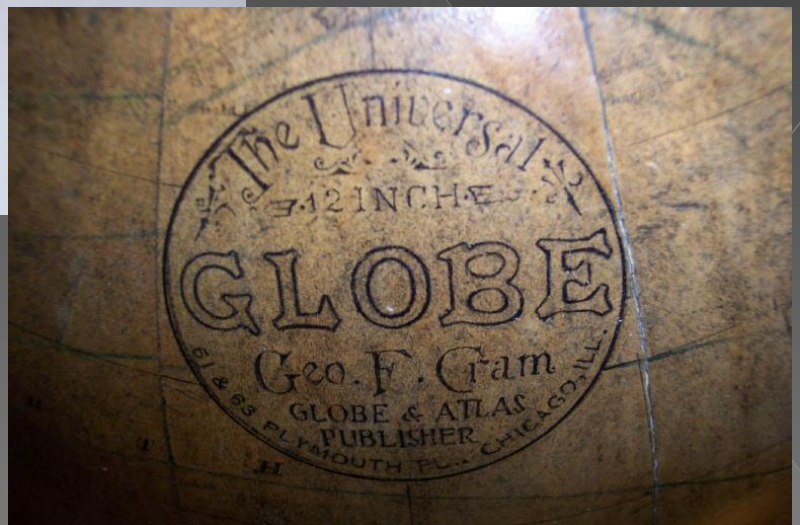




"Weber Successors to Andrews" Transitional Globe on Rare Brass Lotus Leaf Stand. 1899.



Rare Pre-1900 Cram
Full Mount Floor
Globe On Highly
Unusual "Umbrella"
Folding Copper
Tripod Stand. c1899.





Scarce Rand, McNally
Miniature Globe on
Cast Lotus Flower Base.
©1891

Rare Globesellers
Label , plus Unusual
Nickel Plated Base
and Acorn Finial.
Rand, McNally &
Co. ©1891





Rare Weber
Costello / Rand
McNally Miniature
Globe on Raised
Lotus Base. ©1891



ON RARE EASTLAKE STYLE OAK STAND. Rand McNally & Co's New Twelve Inch Terrestrial globe
©1891

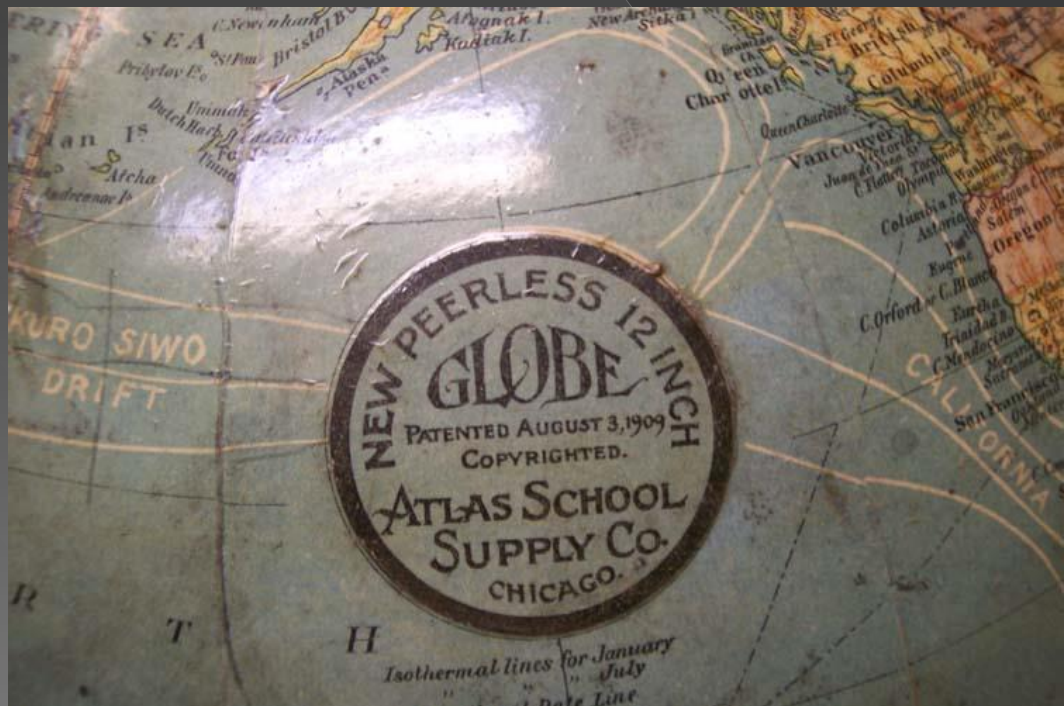


Rand, McNally & Co.'s
New Eight-Inch
Terrestrial globe . ©1891





"Mission Oak" Table Stand New Peerless 12 inch Globe. Atlas School Supply Co. Weber Costello. Chicago. 1909.



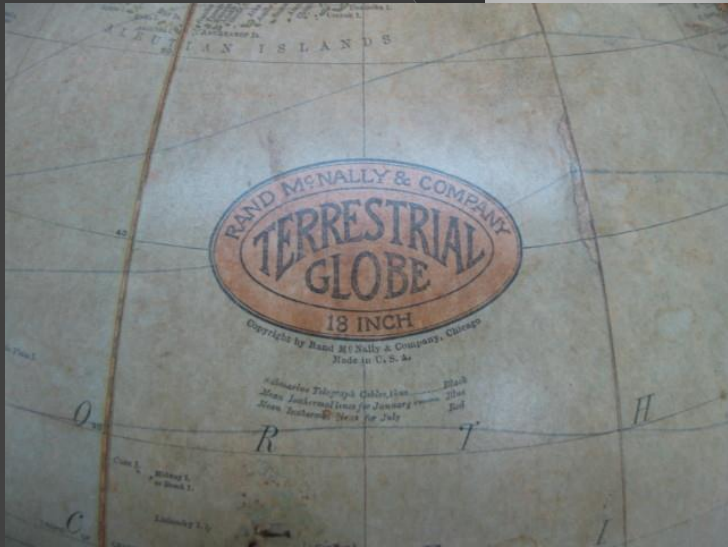
GLOBE MANUAL



Globe Manual for use with stand and suspension globes. Weber Costello Co. c1909

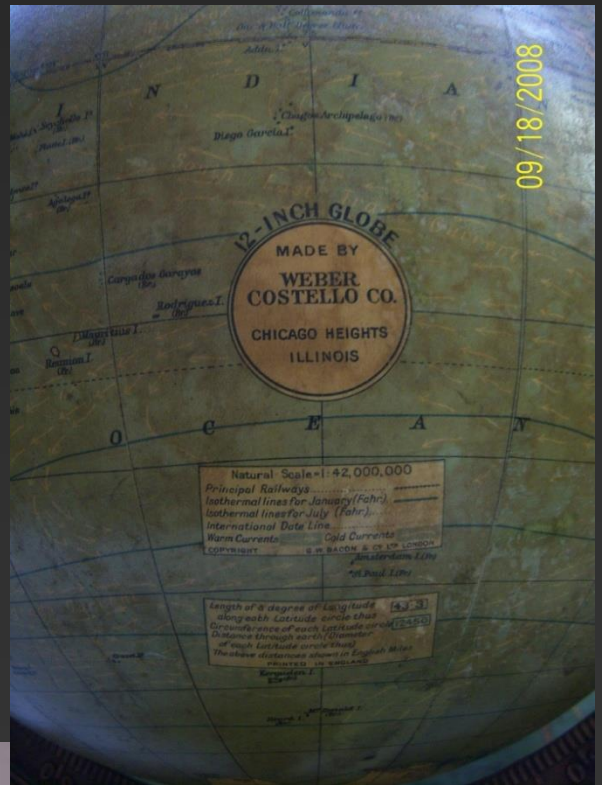
Handsome
Full Mount
Rand
McNally. 1916





POST WW1 TOP OF THE LINE 18 INCH FLOOR GLOBE
Rand McNally & Company Terrestrial Globe. c1920

12" Globe Made by
Weber Costello Co.
Chicago Heights, Illinois.
G.W. Bacon & Co.
London. Printed in
England. 1923



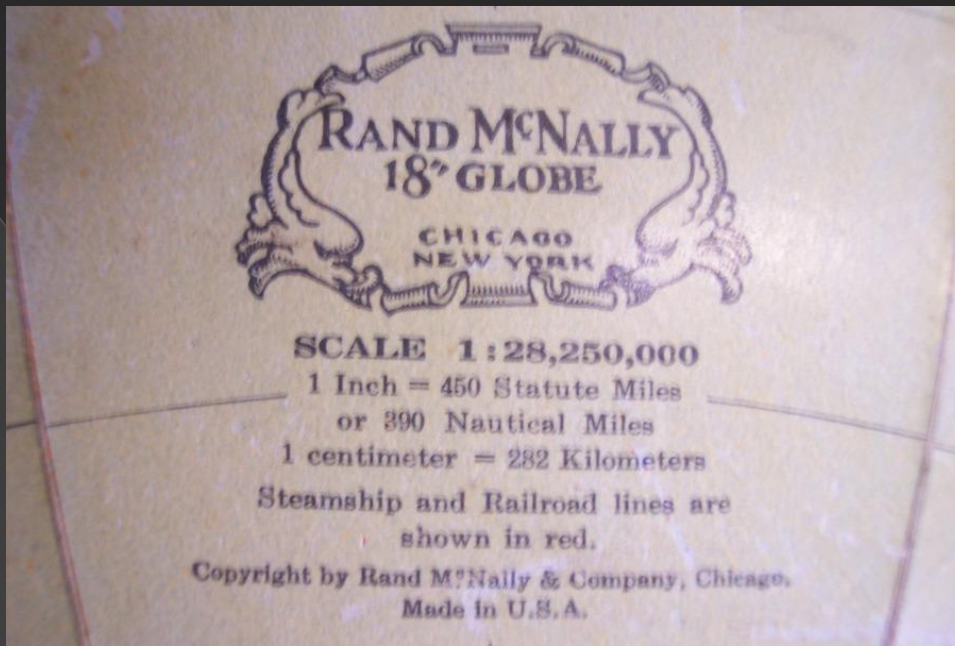


Form-a-globe
(Geoplanus)
A.J. Nystrom
& Co. c1923



Elaborate Orb
Assembly on unusual
"baseball bat" floor
stand
Cartocraft 12 Inch
Globe Published by
Denoyer-Geppert
Co. c1923-1925





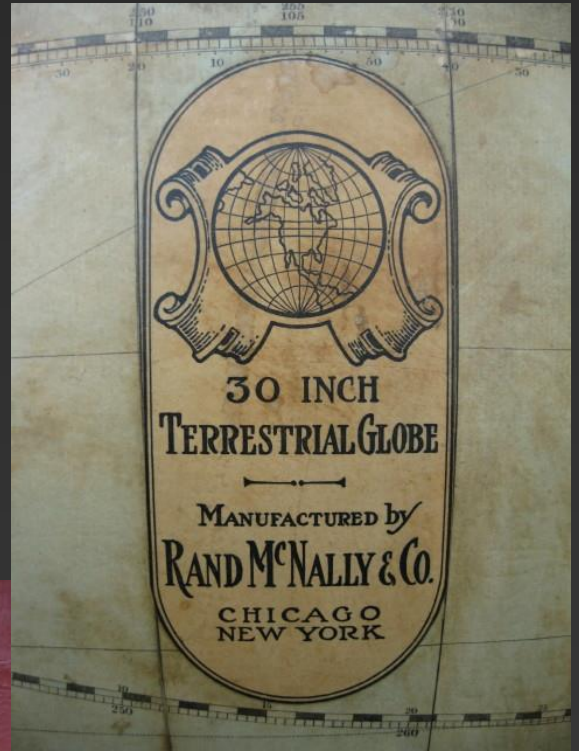
Splendid Large
Floor Globe
Walnut Stand W/
Brass 1925
Rand McNally 18
inch globe



HITHERTO
UNKNOWN
CHICAGO
GLOBE
MAKER USING
D-G GLOBE IN
SHIP'S WHEEL
MERIDIAN
BASE

Manufactured
by Greenlee
Manufacturing
Co., Inc. 300 E.
Grand Avenue,
Chicago Map
by Denoyer-
Geppert Co.
c1925





Late Versailles
Treaty Period
Diplomat's Globe
With 30 Inch Orb in
Rare Mission Oak
Stand
Rand McNally & Co.
W. & A.K. Johnston
c1925

Handsome Art
Moderne Double
Socket Globe Lamp
With Arrow Motif
Rand McNally &
Company
c1925

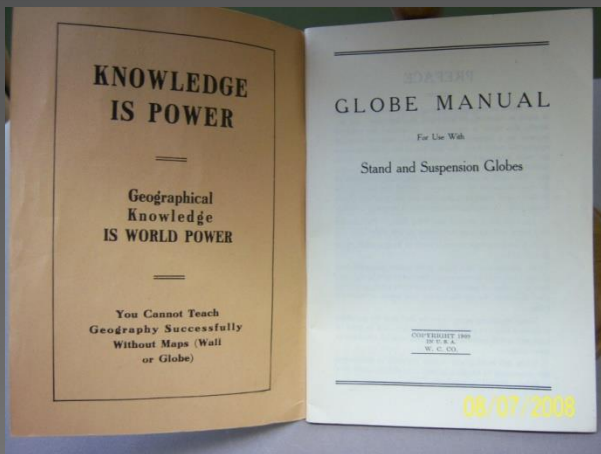
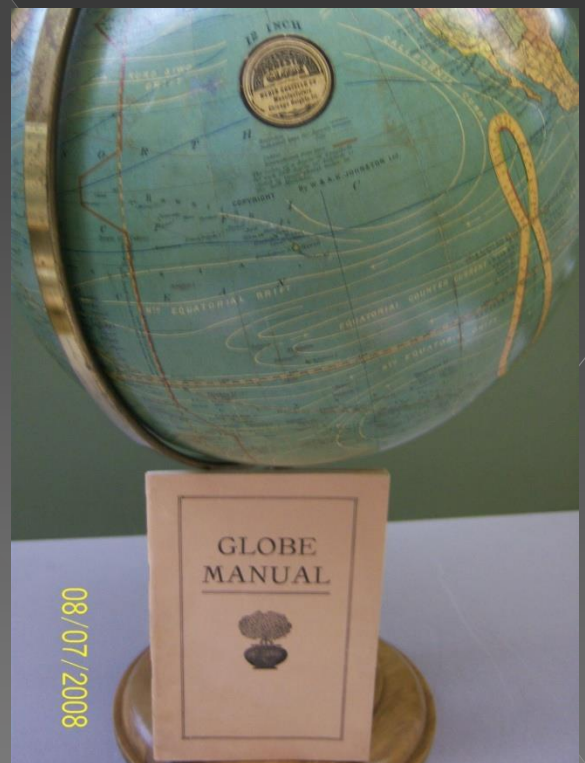


Extraordinary
Decorative Brass
Base



Rand McNally
Eight-Inch
Terrestrial Globe
c1925

Near Immaculate
Surface With Guide
Manual 1925
12 Inch Terrestrial
globe.
W. & A.K. Johnston,
Limited Weber
Costello Co.





Fine 1920s
Boardroom 18
Inch Globe On
Walnut Four-Leg
Floor Stand
WC [logo] 18 Inch
Weber Costello
Co. Chicago
Heights, Ill. Map
printed in England
Globe made in
U.S.A. c1925



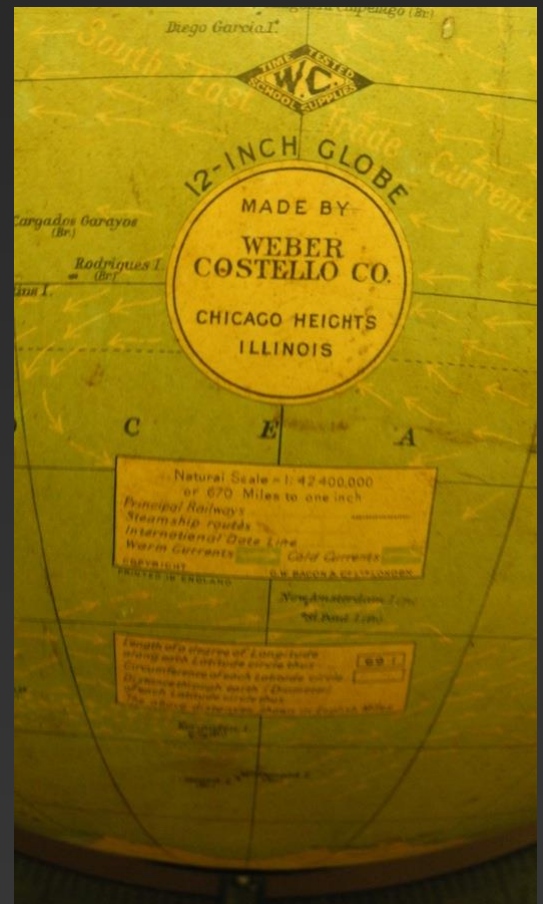


Exquisite
Tiffanyesque
Bronze Base

12 Inch Globe made
by Weber Costello Co.
Chicago Heights
Illinois... G.W. Bacon &
Co. London... Printed
in England. c1926



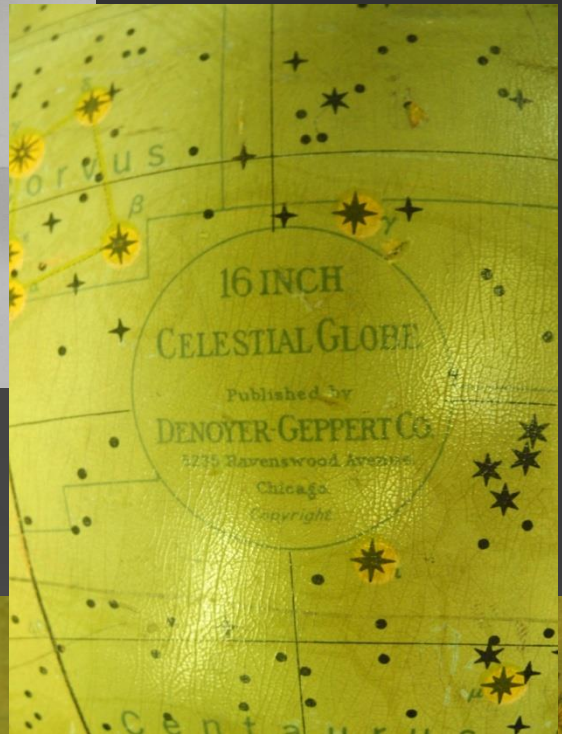
Late" Roaring 20s"
Brass Based Globe a la
Gatsby



12 inch globe
made by Weber
Costello Co.
Chicago Heights
Illinois ... Printed in
England by G.W.
Bacon &
Company
London. c1929



Fine Top of the
Line Denoyer-
Geppert Celestial
Globe circa 1930



16 inch Celestial globe

Published for
Denoyer-
Geppert Co.
5235
Ravenswood
Avenue
Chicago
Copyright

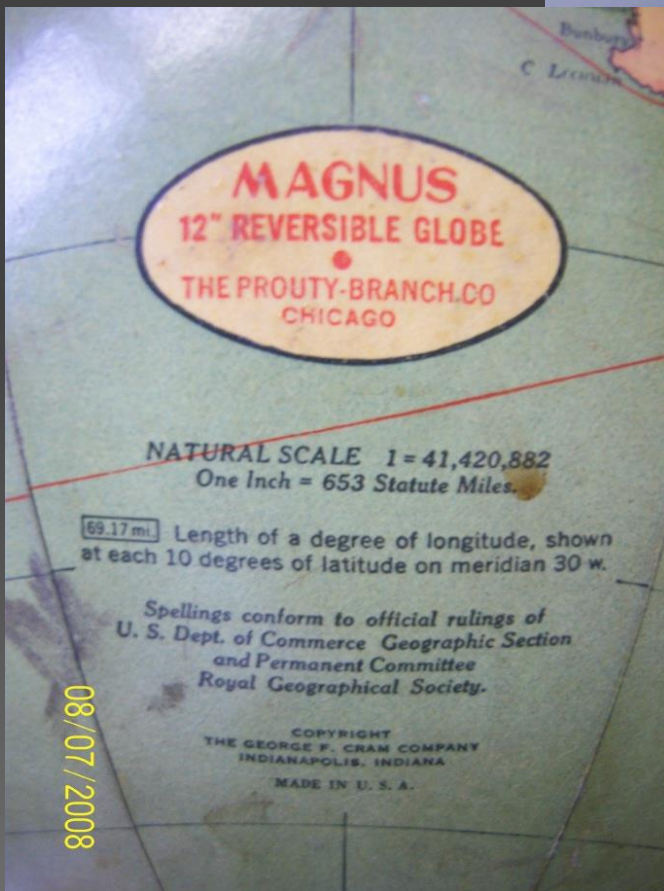


Rand McNally
12" Globe.
c1930



Scarce and
Artistic
Mounting

Magnus 12 inch
Reversible globe



The Prouty-
Branch Co.
Cram, George F.
Company.
Chicago. c1931



Very Rare "Flying V"
Art Deco Stand
New Peerless 10 Inch
Globe . Weber
Costello. 1932

Rare Early Lighted
Miniature Replogle.
Replogle 6"
Handmade Library
Globe. c1932



SCARCE FULL MOUNT
LIGHTED FLOOR GLOBE
c1933
Replogle Globes



16 Inch Platform Floor
Globe in Adjustable
Stand
Rand McNally &
Company . 1934



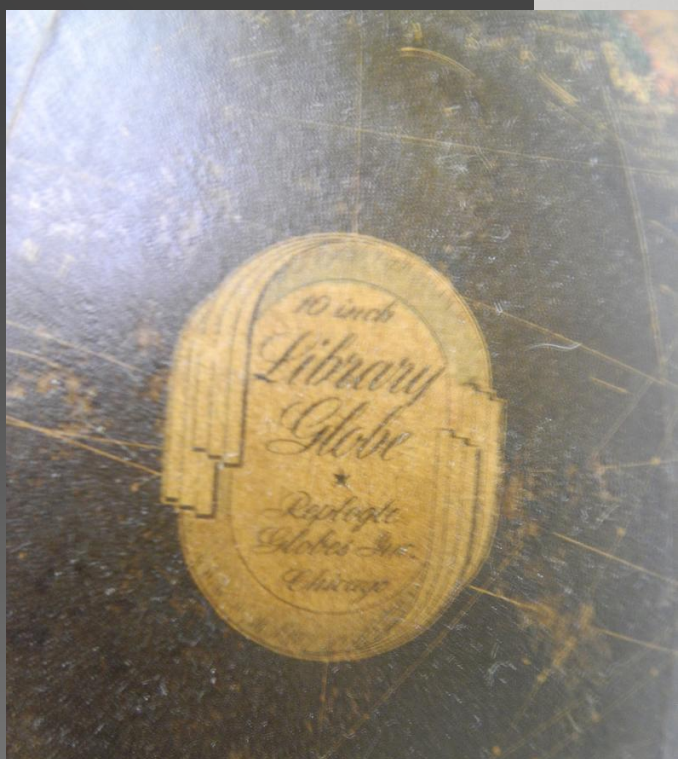


untitled. [miniature
Chicago World's Fair
1933-34 souvenir
paperweight globe]

1935 Weber Costello
Globe in Duncan Phyfe
Floor Stand



10 inch Library
Globe. Replogle
Globes, Inc.
c1935



Lighted Black Ocean
Globe on Rare Art
Deco Streamliner
Stand

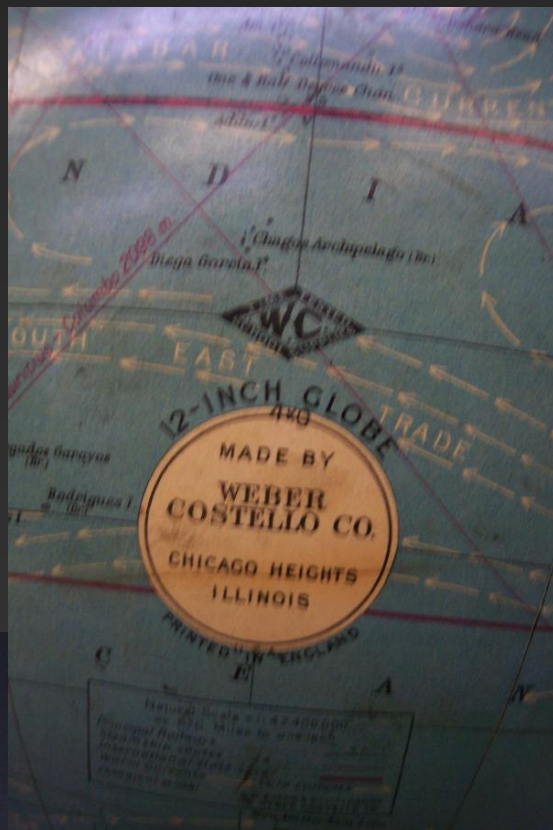


Floor Model Black
Ocean
12 inch Standard globe.
Replogle Globes, Inc.
c1935

Scarce Replogle
Clockwork Base
10 inch Standard
Globe. 1936



12 inch globe Made by
Weber Costello Co.
Chicago Heights Illinois
Printed in England. c1936





Demonstration Globe
Showing Sun's Rays
12 inch Terrestrial
Globe by W. & A.K.
Johnston, distributed
by Nystrom, Chicago
1937

Art Moderne Bakelite
Base
Rand, McNally
Indexed Terrestrial Art
globe.
1938

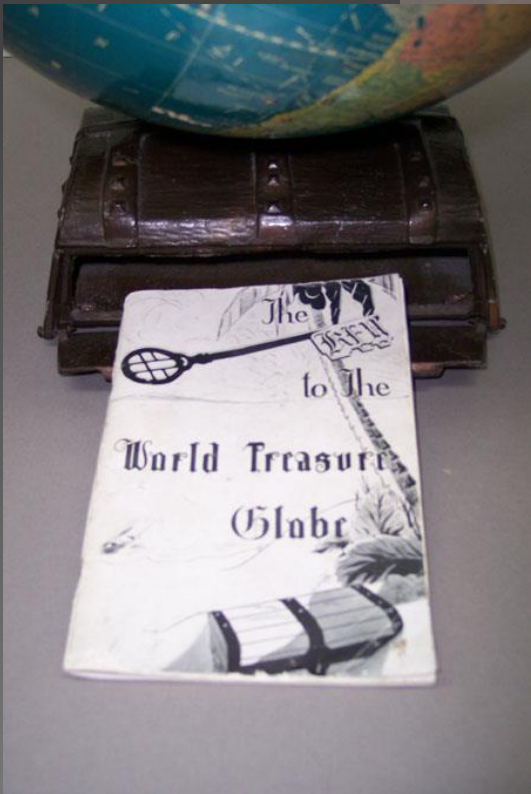




NAZI GERMANY
HIGHLIGHTED WITH
OFFICIAL ADD-ON
STICKER DURING WAR
12 inch Library Globe
Replogle Globes Inc.
Chicago. 1938

Important Pre-WWII
Globe Radio - As the
World Turns
Navigator Globe
Radio. Replogle
Globes, Inc. 1938.

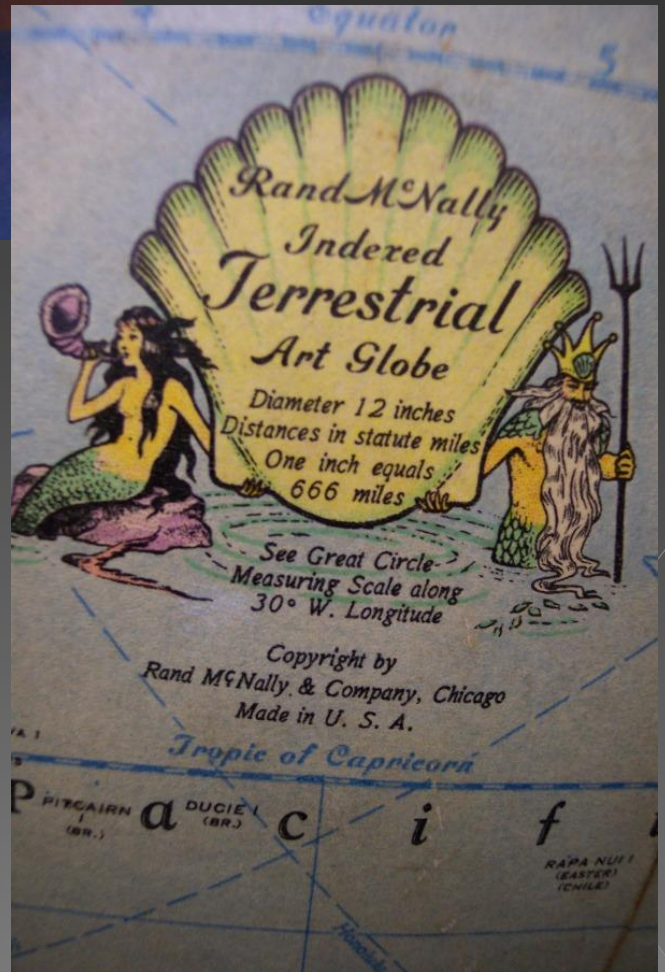




Rare "World Treasure
Globe" With Historic Sites
Numbered
12 Inch Standard Globe.
c1938



Rare and Stylish
Black Glass Tiered
Base Terrestrial Art
Globe. Rand
McNally & Co.
1939





Rare Navigator Terrestrial Globe With Hirizon (Sic)
Rand McNally Indexed Terrestrial Art Globe . 1939

Ultimate Terrestrial Art
Globe, Lighted
Rand McNally
Terrestrial Art Globe.
1939



05/23/2008



05/23/2008