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

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MANUAL
OF
ILLUSTRATIVE TEACHING,
DEIGNED TO EXPLAIN THE USE OF
SCHOOL APPARATUS.

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

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

GLOBES.

60 minutes, marked \(^{0}\); every minute into 60 seconds, marked \(\frac{1}{60}\); these are used in the measurement of arcs.

CORD. 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\(^{0}\).

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

II. GLOBES.

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

An 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 HEMISPHERIC 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\(^{0}\) 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 horizon meridian. This meridian is divided into degrees. The upper
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 fasci-nat-o-ble 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 sturdiest in the world. They are thoroughly tested in daily use. They cannot be broken, or ever cracked, being built of several layers of papier 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.

6. The Horizons of Nos. 23, 35, 47, and 57 are on separate layers of wood glued together so as to cross grained, 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 foot for each meridian.

9. They are the most convenient size for general use, and where provided with horizon 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 these shifting signs of wear.

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—Plains.
No. 20 .................. $18.00.
No. 16, 18-inch Terrestrial or Celestial (new), mounted strong but plain, like No. 20, $20.00.

Low Brass Stand—Complete.
No. 37 .................. $30.00.

Bracket Globe—Meridian.
No. 31 .................. $20.00.

Bracket Globe—Plains.
No. 32 .................. $16.00.
Andrews Booklet from 1881
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. 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.
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
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
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
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.
12 Inch Globe made by Weber Costello Co. Chicago Heights Illinois... G.W. Bacon & Co. London... Printed in England. c1926

Exquisite Tiffanyesque Bronze Base
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
Rand McNally 12" Globe. Indexed. c1933
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

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

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