

CANALS, RAILROADS, AND THE DEVELOPMENT OF THE GLASS INDUSTRY IN CORNING, NY, IN THE LATE 19TH & EARLY 20TH CENTURIES

Joe Schill, Senior Archivist

Corning Museum of Glass

WHERE IS CORNING?



PYREX: 1915



PYREX Sets In Color



CAPACITIES

- Yellow Dish.....1½ Qts.
- Blue Dish.....1½ Pts.
- Red Dishes.....1½ Cups

OVEN and REFRIGERATOR SET

No.	Dishes Per Set	Sets In Case	Weight Case Lbs.	RETAIL PRICE	
				Set of 4	Case
500	4	4	31	\$2.95	\$11.80

Two beautiful PYREX Ware Sets in attractive matching colors. Each dish is 2½ times as strong as ordinary glass and heat resistant for oven cooking.

The eight piece Oven and Refrigerator Set of four colorful dishes with clear glass covers has dozens of uses for baking, serving, and storing.

The Color Bowl Set of four heat resistant bowls will come in handy at every meal. They nest to save space.

The large 4-quart bowl - yellow or red - may be purchased separately.

CAPACITIES

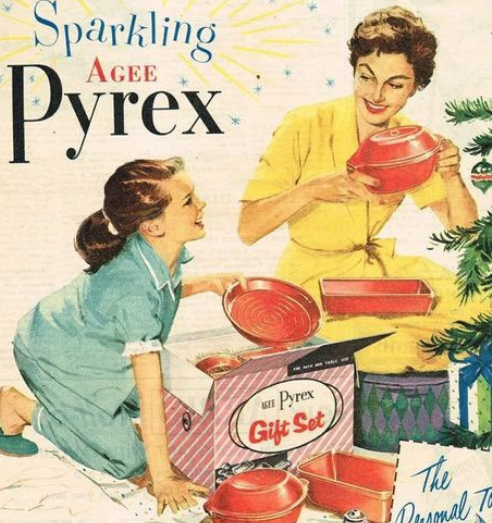
- Yellow Bowl.....4 Qts.
- Bowl.....2½ Qts.
-1½ Qts.
-1 Pt.



PYREX ADS: SO MUCH FUN!

"We'll use them right away!"

Sparkling AGEE Pyrex



At Christmas Dinner

... and most every day for years to come, she'll thank you for your gift of Agee Pyrex. Light, beautiful and shock-proof AGEE PYREX is ideal for Cooking, Serving and Storing. No wonder good cooks say you can never have too much AGEE PYREX! For the easiest and most successful Christmas shopping, choose from 54 Pyrex dishes — in three specially packed Gift Assortments or, individually in colourful boxes. AGEE PYREX — guaranteed against breakage in use over.

MANUFACTURED IN AUSTRALIA BY GUNNBY CRYSTAL GLASS PTY. LTD.
A subsidiary of



The Personal Touch!

Crystal Clear and Colours, too!



Certain to be doubly appreciated — Agee Pyrex dishes braced with your own home-made Christmas treats such as puddings, cakes, biscuits, and souffles. For these "LAST MINUTE" GIFTS, fill colourful Agee Pyrex with Christmas treats, then wrap and wire them with ribbon and Holly!

Price 49

[illegible]

POPULATION BOOM: 1850-1950

- The Village of Corning was incorporated in 1848 with a population of 1,726 people
- 1870: over 4,000
- 1900: over 11,000
- 1920: almost 16,000
- 1950: population peaked at just under 18,000
- After 1950, Corning's population slowly, but steadily, declined
- In 2020, the U.S. Census counted 10,551 people living in Corning

THE HOUGHTON FAMILY



THE HOUGHTONS WHO REALLY GOT IT GOING



EARLY HISTORY OF CORNING GLASS WORKS

- 1864 – Brooklyn Flint Glass Works
- 1868 – Relocated to Corning and changed name to Corning Flint Glass Works
- 1875 – Reincorporated as Corning Glass Works (CGW)
- The Key to CGW's success was its focus on specialty glass: colored glass for signal lenses for trains, blown glass for lamp globes, glass tubing for scientific and industrial uses (light bulbs), and glass blanks for cut crystal glassware

EDISON'S LIGHT BULB: 1880



© E. L. W. of G. E. 1923

The cheapest maid you can employ is Light

HOW MUCH EASIER housework becomes with the aid of Good Light! Spoiled meals and broken dishes, tired backs and eyes, bumps and cut fingers and poorly laundered clothes are the cost of glare and shadows—too high a price to pay for poor light when Good Light is so cheap.

You will have better light in your kitchen if you put the right lamp in each socket of your present fixtures.

On this page are shown typical kitchen, laundry and basement fixtures in most common use and the type and size of Edison Mazda Lamp which gives each one the best lighting effect.

Tonight make the tests suggested here and note where your corresponding fixtures require white or bowl-enameled lamps to light up the room more evenly and to eliminate glare.

Then tomorrow go to the Edison Mazda Lamp representative in your neighborhood and ask for the proper lamps, specifying type and size. He knows, too, the right lamps for the rest of your fixtures.

And ask him how the most modern kitchens are lighted. For light is the least expensive maid you can employ; use it freely but use it right.

CAN YOU wash dishes without interference from your shadow?
This type of fixture requires a 50-watt White Mazda C Lamp.

CAN YOU tell at a glance whether the clothes are clean?
This type of fixture requires a 100-watt Bowl-enameled Mazda C Lamp.

CAN YOU see clearly the back of your oven?
This type of fixture requires a 75-watt Clear Mazda C Lamp.

CAN YOU pick utensils and supplies from the shelves with ease?
This type of fixture requires a 100-watt Bowl-enameled Mazda C Lamp.

CAN YOU see in the coal bin and find the furnace door easily?
This type of fixture requires a 75-watt White Mazda C Lamp.

CLEAR Mazda C Lamp **White Mazda C Lamp** **Bowl-enameled Mazda C Lamp**

EDISON MAZDA LAMPS

A GENERAL ELECTRIC PRODUCT

October 1923 Good Housekeeping

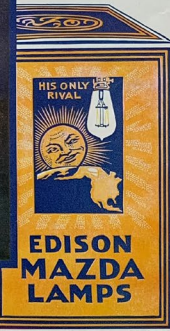
June, 1923

The Edison HOME JOURNAL

87



BACK of every Edison Mazda Lamp is Mazda Service, centered in the Research Laboratories of the General Electric Company, whose ceaseless search for better lamps at lower cost has, in the short period of eleven years, resulted in six times as bright a lamp for the same amount of current.



The party after the party

THE strains of the music still sing in her ears; her pulses beat to its rhythm, her cheeks are aglow—So, flushed and happy, she slips into her mother's room, to live through the evening again.

They are very rich, those *after hours*—when the hearts of mothers and daughters draw close, and sons discover that fathers are pals. A friendly lamp invites confidences. In every such family party it plays its silent part.

YOU have noticed how, on the stage, a gloomy room is changed into a cheerful room by merely rearranging the lights.

Your Edison MAZDA Lamp dealer knows something of the application of the stage manager's art to the home. He will tell you which Edison MAZDA Lamp will light each room of your home to make your comfort greater and your work easier.



EDISON MAZDA LAMPS

EDISON LAMP WORKS OF GENERAL ELECTRIC COMPANY

**CANALS,
RAILROADS, AND
GLASS**

The Erie Canal opened western markets to New York City and the world in 1825

It also spurred efforts throughout the state to connect towns and cities to the Erie Canal

CANALS & CORNING: A BRIEF HISTORY

- In 1833, the Chemung “Feeder” Canal was completed and connected Corning to the Chemung Canal, which connected to the southern end of Seneca Lake
- Seneca lake, the largest of New York’s Finger Lakes, connected to the Erie Canal at its northern end
- The high cost of maintaining the Feeder canal, due to frequent flooding, made it inefficient; ultimately, it closed in 1878

FINGER LAKES REGION OF NEW YORK

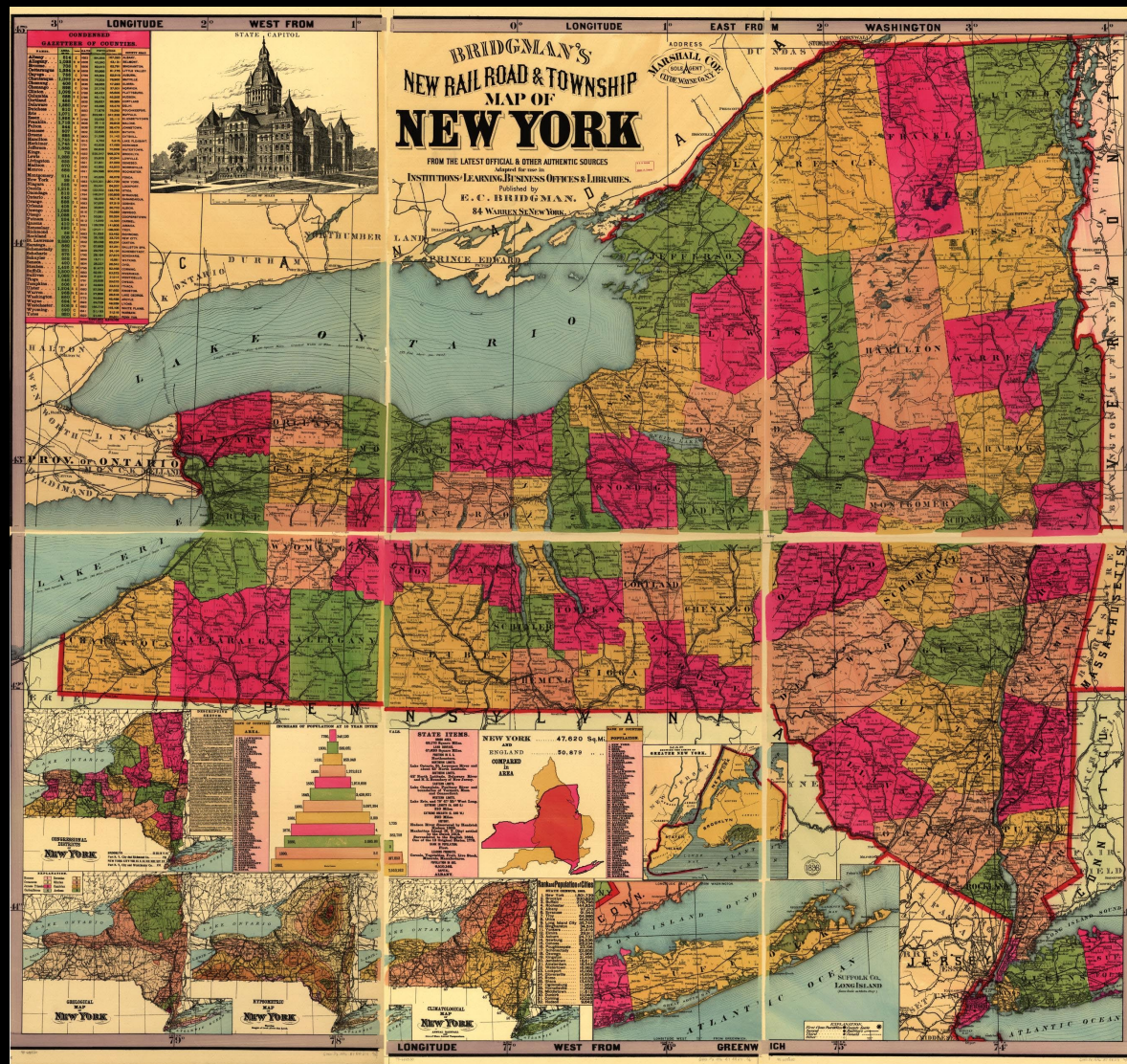


Credit: Maps by Scott

NEW YORK RAILROADS IN 1855



NEW YORK STATE RAILROADS IN 1896



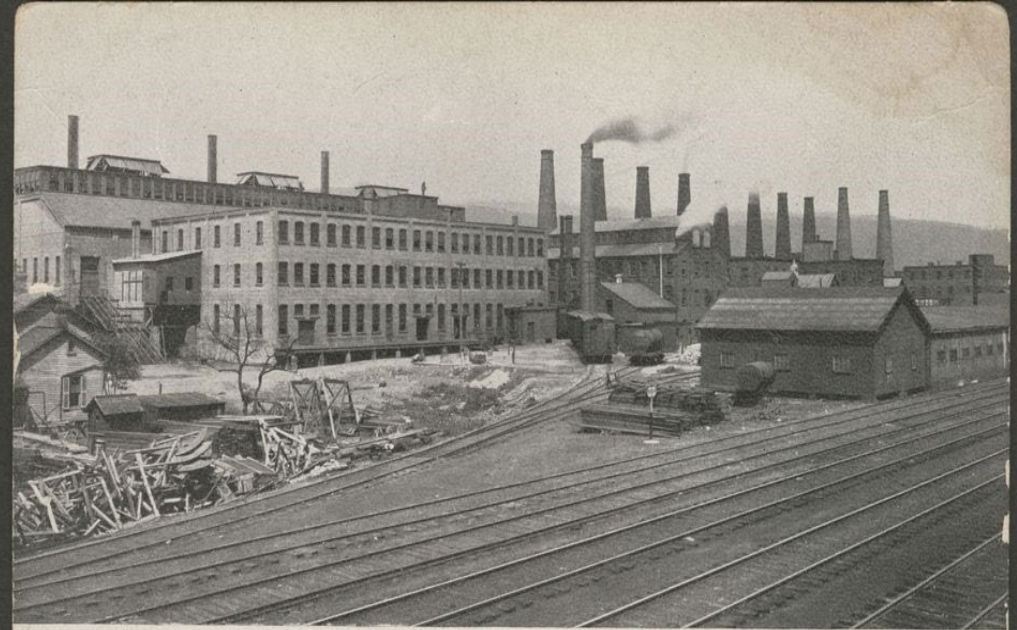
RAILROADS & CORNING: A LASTING IMPACT

- The railroad arrived in Corning in the mid-19th century when the Erie RR was completed
- It was not until after the Civil War, however, that RRs really made a significant impact
- Fall Brook Railway Company (1870)
- Syracuse, Geneva, and Corning RR (1875)→New York Central RR
- Lackawanna RR (1880)

GLASS INDUSTRY IN CORNING (LATE 19TH CENTURY/EARLY 20TH CENTURY)

- Corning Glass Works: founded in 1868 and is now Corning Incorporated
- J. Hoare & Co. followed the Brooklyn Flint Glass Company to Corning
- Hawkes Rich Cut Glass Works formed in 1882, renamed T.G. Hawkes & Co. in 1890
- O.F. Egginton Rich Cut Glass established in 1897
- H.P. Sinclair & Co. established in 1904
- Steuben Glass Works: founded in 1903 (bought by CGW in 1918)

CORNING GLASS WORKS, CIRCA 1889 & 1903



Corning Glass Works--Corning, N.Y.

T.G. HAWKES & CO., CIRCA 1903 AND 1950



T.G. HAWKES GOLD MEDAL IN PARIS, 1889



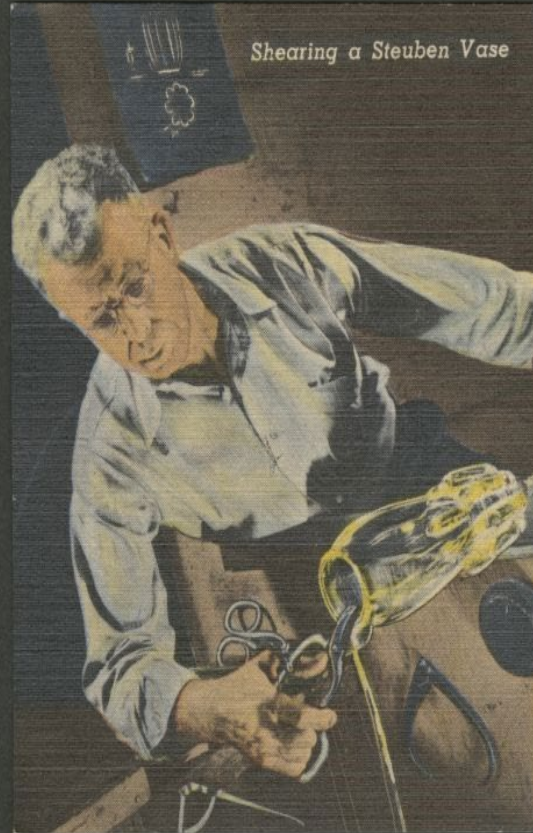
**CUT GLASS BOWL BY T.G. HAWKES & CO.
BUY IT NOW FOR \$39,850 AT M.S. RAU**



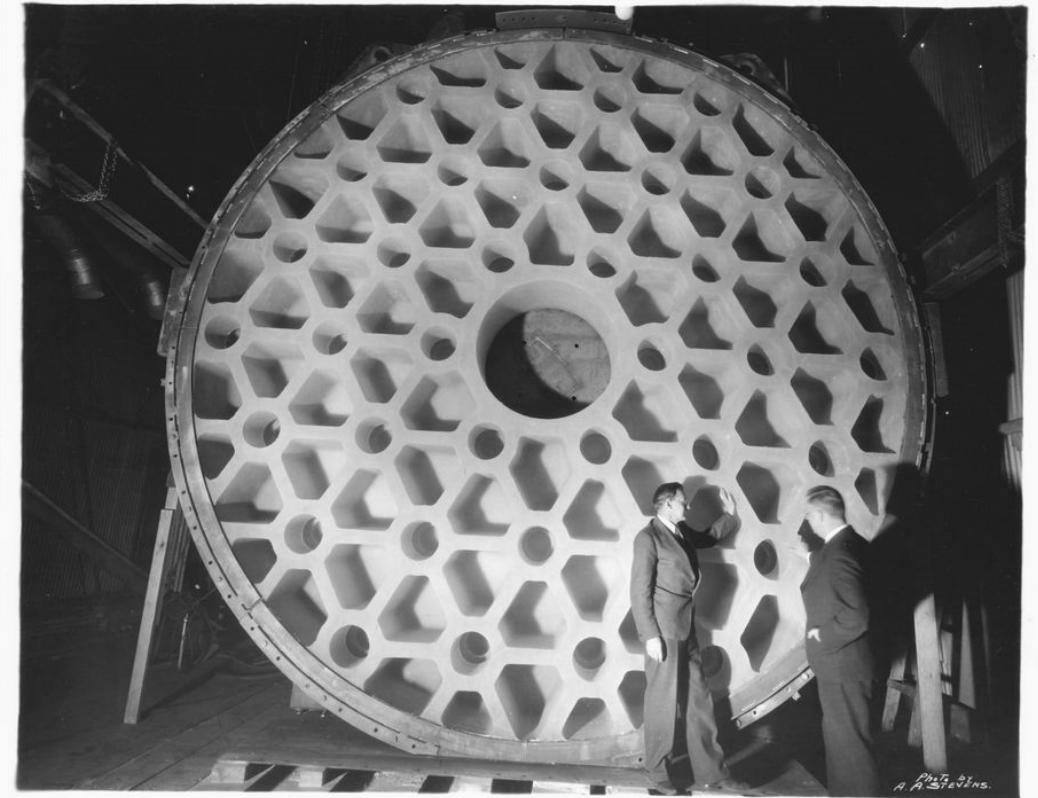
Dimensions: 4.3" high & 12.3" diameter

Credit: rauantiques.com

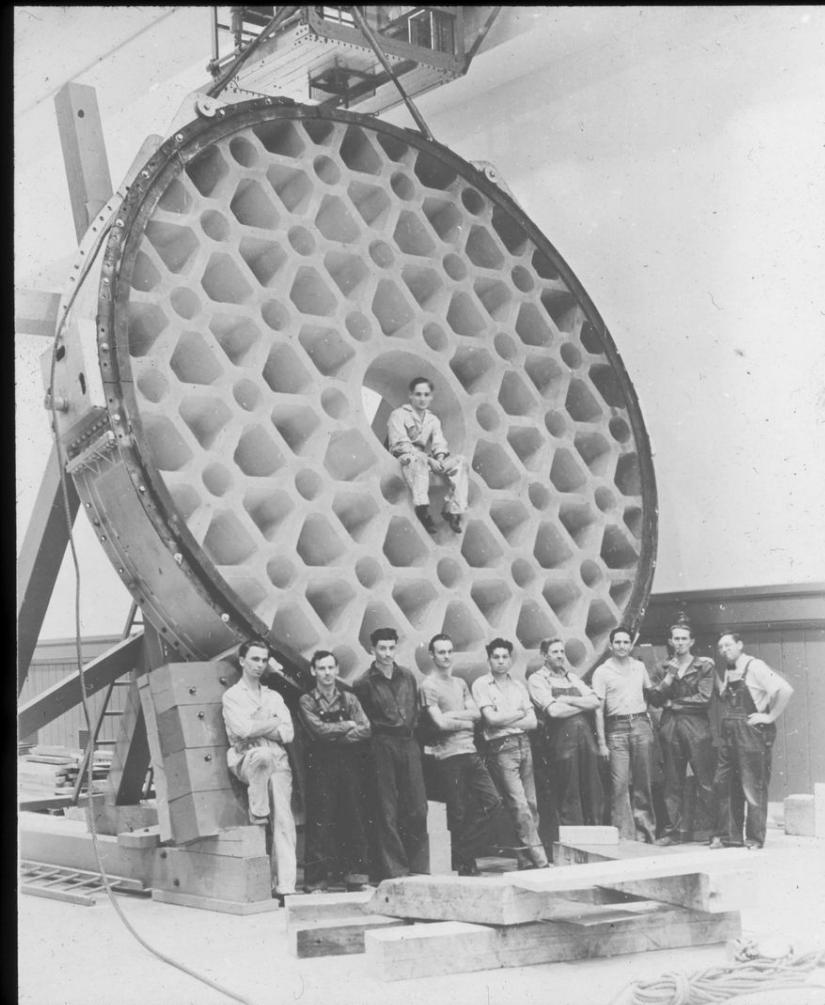
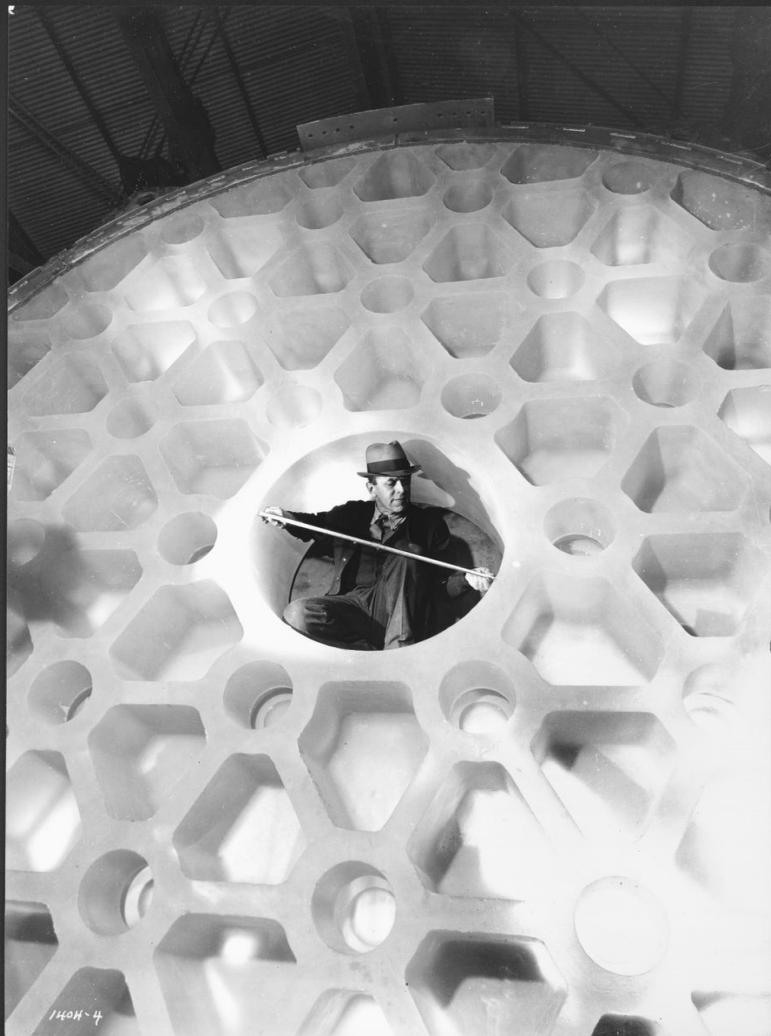
STEUBEN GLASS WORKS, 1907 & 1953



MAKING THE 200" DISK, 1934-1935



MEASURING THE 200" DISK IN 1935



200" DISK HEADED TO CALIFORNIA IN 1936



FROM CGW TO CORNING INCORPORATED

- Fiber optics for communications
- LCD screens
- Valor Glass for COVID-19 Vaccines
- Gorilla Glass for smartphones
- NASA – Corning-made glass has been used since Project Mercury in 1961
- James Webb Space Telescope (2021) houses 3 telescopes with mirrors made by Corning



Credit: NASA