# Kansas Sesquicentennial 2011



Kansas Memory.org, Kansas State Historical Society\*

CHARLES ANGELL, Sr. INVENTOR



# Charles Angell, Sr. 1882-1927

- Angell was a farmer in Plains, Kansas.
- Good with machines, even as a child he took things apart and put them back together.
- Invented a one-way disc plow in the 1920s which plowed faster, destroyed weeds and turned the stubble in such a way that it served as a mulch to hold in the soil's moisture.
- The most-used tilling implement on the plains from the 1930s to the 1960s, Angell's plow helped make Kansas the leading wheat-producing state in the country.

**EXTRA COOL:** Kansas became known as the Wheat State, also the Breadbasket of America.





Spencer Research Library, University of Kansas Libraries

## Hamilton Perkins CADY

Chemistry University of Kansas

SCIENCE in KANSAS 2011 150 years and counting

#### Hamilton CADY 1874-1943

- Born near Council Grove.
- In 1905, along with KU colleague David McFarland, discovered that helium could be extracted from natural gas.
- Before this, it was thought that helium gas could only be found around the Sun and in rare minerals.
- Helium is lighter than air and used in balloons. Also, helium does not burn, so people like welders use it when they work to keep materials from exploding.

**EXTRA COOL:** KU's Bailey Hall, where this discovery was made, is an American Chemical Society National Historic Chemical Landmark.



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1917--Clyde Cessna (far right) and the first plane built in Wichita



Courtesy Kansas Memory. org, Kansas Historical Society \*

### Clyde CESSNA

Engineering Cessna Aircraft, Wichita

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SCIENCE in KANSAS 2011 150 years and counting

# Clyde CESSNA 1879-1954

- Grew up on a farm in Kingman County.
- Always had a knack for mechanical things.
- Taught himself to flv.
- Built monoplanes (airplanes with one set of wings) rather than the biplanes (two sets of wings) that were popular at the time.
- His exciting design ideas and aircraft set many speed and distance records.
- Formed Cessna Aircraft Company in 1927. Cessna Aircraft is one of the reasons Wichita became known as the Aviation Capitol of the World.

EXTRA COOL: Inducted into the International Aerospace Hall of Fame in 1983.



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William C. COLEMAN

Inventor

Coleman Company, Wichita

SCIENCE in KANSAS 2011 150 years and counting

#### William C. Coleman 1870-1957

- His family moved to Labette County in 1871.
- He had bad eyesight and was impressed when he came across a gasoline lantern which put out a brighter, whiter light than the hazy, smoky kerosene lamps of the day.
- Started his own company in Wichita and by 1914 had invented his own gasoline lantern that could light 100 yards in every direction.
- Over 70,000 Coleman lanterns were used by American soldiers in World War I.

**EXTRA COOL:** You may use a Coleman lantern, stove, cooler or other gear if you go camping or on picnics.



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