



OMEGA Productive Services, Inc.
MISSION STATEMENT

TO PROVIDE PAINT SYSTEM – PROCESS IMPROVEMENT SERVICES THROUGH CONTINUAL IMPROVEMENTS OF OUR QUALITY MANAGEMENT SYSTEM, TO ENHANCE OUR CUSTOMERS' SATISFACTION OF SERVICES PROVIDED; ON TIME, ON BUDGET, EVERY TIME.

OMEGA Productive Services, Inc.

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If you wish to have your address updated or be removed from this mailing list please e-mail jwallis@omegapro.com
Thank You.



“Old and new put their stamp to everything in Nature. The snowflake that is now falling is marked by both; the present gives the motion and color to the flakes; antiquity its form and properties. All things wear a luster which is the gift of the present and a tarnish of time.”

- Emerson



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? Ask Dr. Brush



Contributed by:
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INSPIRATION FROM THE CHICAGO FAIR

The 1893 Chicago World Fair drew 27 million people. Among them undoubtedly were many of the early pioneers of the self-propelled vehicle. Charles King was there from Detroit demonstrating his Pneumatic Hammer. So also were Henry Ford and Ransom Olds. They must have visited the Transportation Building where many engines were on display including two by Daimler who was exhibiting a steam and a gasoline powered vehicle.

One year later, in 1894, Charles King founded his own company and took offices above the machine shop of John Lauer, on St. Antoine Street. There no doubt he enlisted the help of John Lauer who was a reputed machinist capable of producing major engine components including gears of all types. Oliver Barthel also worked at the machine shop and was to become King's assistant.

King's ambition was to build a successful self-propelled vehicle to race in Chicago in 1895. He did not finish his project in time for the race, but in 1896 he obtained an experimental wagon from Emerson and Fisher to which he fitted his own designed and built 4-cylinder engine. Little is known about the engine except that its four cylinders were cast as one and it developed about 3 horsepower. Notable features of the vehicle included front wheel steering using a yoke and lever arrangement, foot operated engine control, and iron-tired wheels. Road testing on this first Detroit vehicle took place on March 6th 1896. (One hundred seven years ago!)

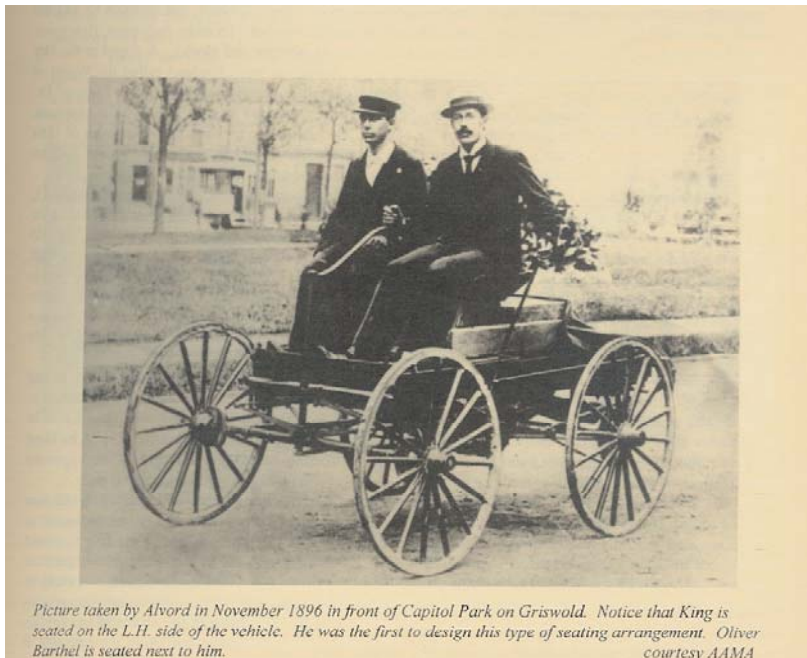
Quote of the Month:

“Nothing great was ever achieved without enthusiasm.”

- Ralph Waldo Emerson



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Picture taken by Alvord in November 1896 in front of Capitol Park on Griswold. Notice that King is seated on the L.H. side of the vehicle. He was the first to design this type of seating arrangement. Oliver Barthel is seated next to him. courtesy AAMA

DEVELOPMENT

OMEGA has been selling the GILL Volometer, a handheld acoustic anemometer that measures airflow down to 1 FPM. This is a very useful tool in measuring airflow in and around paint systems. GILL has recently developed the Windsonic a new low cost and lightweight 2-axis sensor that has the same accuracy as the handheld but in a fixed mount configuration. Omega is in the process of developing an option for the Windsonic to be a portable handheld measuring instrument like the Volometer. The Handheld Windsonic will combine a 2-axis Windsonic sensor with an IPAQ Pocket PC. Using Software developed by OMEGA, the new handheld will be capable of taking airflow readings and then storing them in an Excel spread sheet. There are many benefits to the proposed handheld, here are just a few:

- Airflow readings can be stored in excel while they are measured.
- Airflow can be instantly graphed or mapped and displayed.
- Data can be transferred from the removable IPAQ Pocket PC to a PC with the included charging cradle and a USB port.
- The IPAQ Pocket PC is removable and can be used for other purposes
- The IPAQ Pocket PC can be configured to take measurements at any interval
- Data collection is limited only by the amount of free memory on the IPAQ.

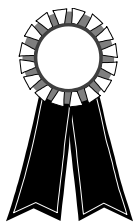


*Contributed By: William Ringrose – R&D/Manufacturing Manager
Derek Decker – Kettering Co-op Student*

CURRENT PROJECTS

- ❖ OMEGA has teamed with Duckworth & Associates to provide engineering services to General Motors Corporation through their Tier 1 supplier, Vestar Inc. Three projects at Shreveport, Hamtramck and Wilmington are close to completion as part of an ambitious scheme to drastically reduce utility costs in GM paint operations.
- ❖ OMEGA has been awarded contracts by HM White for spray booth services, Honda Marysville for a DAVI system.
- ❖ A second phase of the GM energy initiative has been awarded to their Tier 1 supplier – ROI Energy/Atkins Benham. OMEGA and Duckworth have been awarded engineering projects for this second phase at Janesville, Doraville and Bowling Green plants.

BRAGGING CORNER



Rebekah Wallis was recently honored as one of Waterford's Select-50 students (Top 25 students chosen from each high school). A banquet was given in honor of these fifty students who were chosen because of their qualities as a leader, involvement in their community, as well as their academic achievements. Congratulations Rebekah.



Bill Ringrose's daughter, Heather, was married to Daniel Douglas on February 1, 2003 at the Willow Run Church of God. Best wishes to the Douglas'.



Billy Ringrose Marched with the Clarenceville Marching Band at Disney World on February 26th. His father, sister and new brother-in-law went down to watch the parade while taking in a needed vacation.

Mich-Again



ICE CUTTING IN MICHIGAN



<http://members.aol.com/cragicons2/cneha98.htm>

Newcomers to Michigan are rarely prepared for the harshness of its winter. They wonder how Michigan folks endure it, and even celebrate it with ice-cutting festivals.

Nowadays we're used to ice-cutting festivals, when artists come to town to carve fantastic ice sculptures. In fact, when we gather around these beautiful works of art, we reenact the play and work rituals of villagers for over two centuries.

Ice cutting began as a form of community activity and family enterprise before the time of modern refrigeration. The community gathered at a pond or lake to harvest enough kegs (blocks) of ice to fill all their icehouses to keep food from rotting during hot summer months. In February, men brought their long ice saws, hooks, crowbars, plows and sleighs and harvested blocks ranging from 110-300 pounds. Women and children banked huge bonfires to cook huge stews and to warm wine and coffee. Teams of horses drew the loads of ice kegs to storage barns or icehouses where they were packed with pounds of sawdust for insulation. At the beginning of summer, the ice was taken out with great ceremony and paraded through town.

There are still a few traditional ice-cutting festivals in Michigan, and if you intend to participate, bring a long ice saw and strong muscles, because, should you use a chain saw you would be laughed at.

Contributed By: Annick Hivert-Carthew