

Technology Review, November 1961

Extracted on Nov-29-2021 03:57:54

The Smithsonian Institution thanks all digital volunteers that transcribed and reviewed this material. Your work enriches Smithsonian collections, making them available to anyone with an interest in using them.

The Smithsonian Institution (the "Smithsonian") provides the content on this website (transcription.si.edu), other Smithsonian websites, and third-party sites on which it maintains a presence ("SI Websites") in support of its mission for the "increase and diffusion of knowledge." The Smithsonian invites visitors to use its online content for personal, educational and other non-commercial purposes. By using this website, you accept and agree to abide by the following terms.

- If sharing the material in personal and educational contexts, please cite the Smithsonian National Air and Space Museum Archives as source of the content and the project title as provided at the top of the document. Include the accession number or collection name; when possible, link to the Smithsonian National Air and Space Museum Archives website.
- If you wish to use this material in a for-profit publication, exhibition, or online project, please contact Smithsonian National Air and Space Museum Archives or transcribe@si.edu

For more information on this project and related material, contact the Smithsonian National Air and Space Museum Archives. See this project and other collections in the Smithsonian Transcription Center.

[[advertisement]]
GEARS Designed and manufactured to meet YOUR Production
Requirements
Custom Gears Exclusively

DIEFENDORF GEAR CORPORATION SYRACUSE 1, N. Y. [[/advertisement]]

[[/advertisement]]
[[image]]
MAXIMUM Heat-Transfer Capacity in Limited Space LOW AIRWAY RESISTANCE
AEROFIN Smooth-Fin Heat Exchangers
AEROFIN CORPORATION
101 Greenway Ave., Syracuse 3, N. Y.
[[/advertisement]]

[[advertisement]]
[[image]]
WHITEHEAD METALS, INC.
Distributors of Corrosion Resisting Materials:
ALUMNIM
BRASS
CLAD METALS
COPPER
EVERDUR
INCONEL
MONEL
NICKEL
FERRO ALLOYS
FOUNDRY NICKEL
STAINLESS STEELS

303 West 10th St., New Yoro 14, N. Y.

OTHER OFFICES
PHILDELPHIA . BUFFALO . SYRACUSE . CAMBRIDGE, MASS.
BALTIMORE . HARRISON, N. J. . WINDSOR, CONN. . ROCHESTER

C.D. Grover, President MIT 1922 [[/advertisement]]

[[advertisement]]
How Curtis solved a close center-to-center problem [IMAGE]

The close center-to-center space of these drive spindles on a Sutton-Maust Precision Backed-up Roller Leveler created a tough problem for its manufacturer. He needed a universal joint strong enough to stand up under heavy rolling mill conditions, yet small enough to operate at such close quarters.

The answer was a Curtis universal joint! The maximum load carrying capacity and minimum torsional deflection of the Curtis joint was found to be completely satisfactory. And Curtis' famous Telltale Lock Ring



construction permits quick disassembly for easier maintenance.

This is just one of the many power transmission problems solved by Curtis universal joints - size for size the strongest universal joints designed for industry. Selected materials, precision engineering, and 40 years' experience manufacturing universal joints exclusively make them that way.

WRITE FOR THE NEW CURTIS CATALOG, JUST PUBLISHED 14 sizes always in stock 3/8" to 4' O.D. Not sold through distributors. Write direct for free engineering data and price list. TRADEMARK CURTIS UNIVERISAL JOINT CO., INC. 811 Birnie Ave., Springfield, Mass. As near to you as your telephone [[/advertisement]]

NOVEMBER, 1961 65

Technology Review, November 1961 Transcribed and Reviewed by Digital Volunteers Extracted Nov-29-2021 03:57:54



Smithsonian Institution

Smithsonian National Air and Space Museum Archives

The mission of the Smithsonian is the increase and diffusion of knowledge - shaping the future by preserving our heritage, discovering new knowledge, and sharing our resources with the world. Founded in 1846, the Smithsonian is the world's largest museum and research complex, consisting of 19 museums and galleries, the National Zoological Park, and nine research facilities. Become an active part of our mission through the Transcription Center. Together, we are discovering secrets hidden deep inside our collections that illuminate our history and our world.

Join us!

The Transcription Center: https://transcription.si.edu
On Facebook: https://www.facebook.com/SmithsonianTranscriptionCenter

On Twitter: @TranscribeSI

Connect with the Smithsonian Smithsonian Institution: www.si.edu

On Facebook: https://www.facebook.com/Smithsonian

On Twitter: @smithsonian