

Power

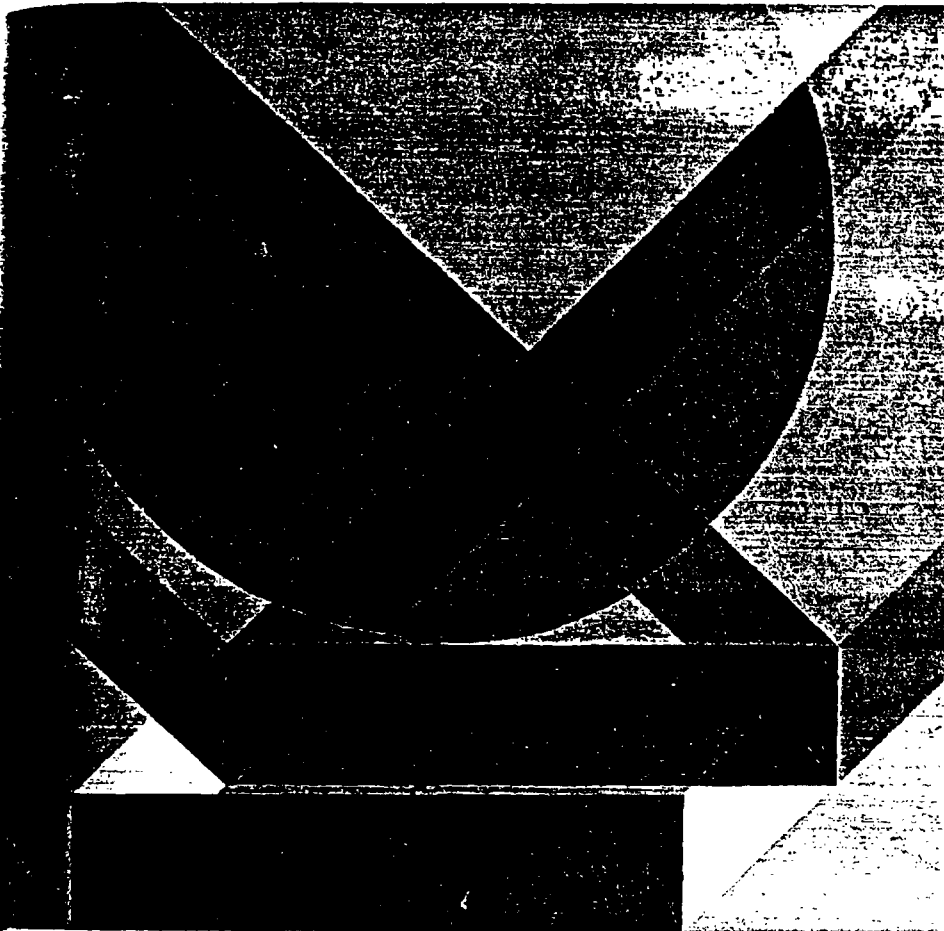
the magazine of
energy systems engineering

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LUBRICATION TWIN STAFF REPORTS EXAMINE THE MODERN LUBRICANT
AND PLANS FOR LUBRICATION MANAGEMENT ► 185

IN THIS ISSUE New York City's tough new air pollution law 71
Ten ways to murder your pump 78
Asynchronous machines tackle more jobs 88

PLAINTIFF'S EXHIBIT

RS-161

Riley fuel-burning versatility means more efficient energy conversion for pulp & paper manufacturers

Riley's industry-wide acceptance among pulp and paper manufacturers is well illustrated by the list of users shown opposite. It's an acceptance based on broad experience in boiler design and an exceptional versatility in designing fuel-burning equipment.

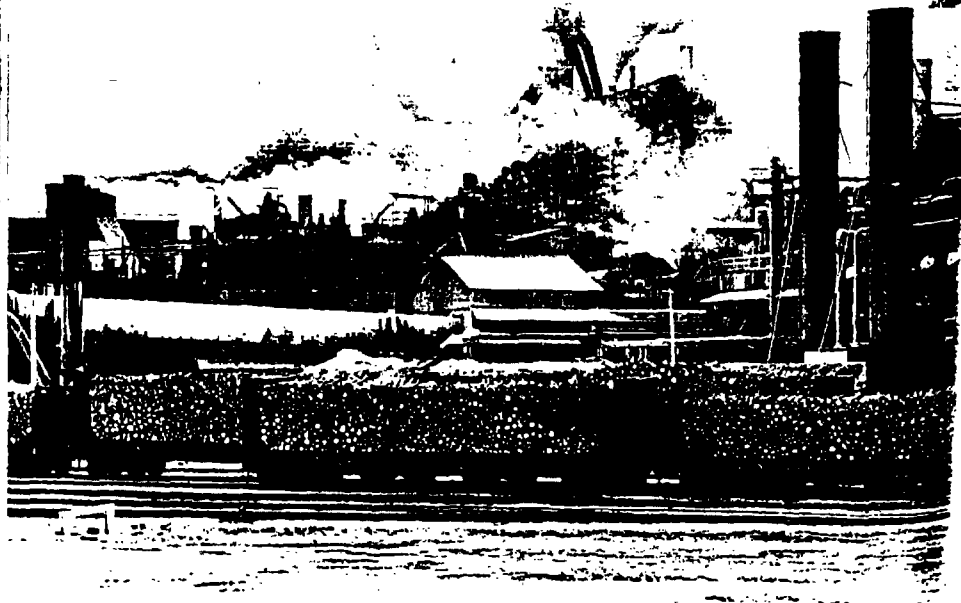
It takes this kind of capability to turn the by-products of pulp and paper—wood wastes, bark (even unhogged bark), spent sulphite liquor—into useable energy for economical mill operation.

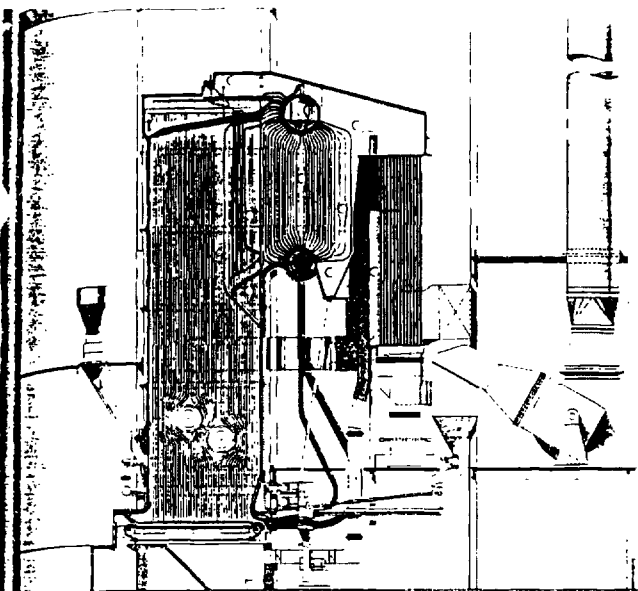
The boiler shown here was designed for a large Florida paper mill to burn bark and

coal or oil. Efficient distribution and combustion of 46,000 lbs/hr hogged bark achieved with the use of Riley Pneumatic Distributors combined with a Riley Trailing Grate Stoker. Riley Sand Separators furnished with the reinjection system.

The Riley Boiler has reduced purchase requirements by 11.5 percent and has eliminated excessive overloads on other boilers.

Your nearby Riley representative specializes in methods of increasing steam capacities while reducing fuel costs. Call him or write Riley Stoker Corporation, Worcester, Mass.

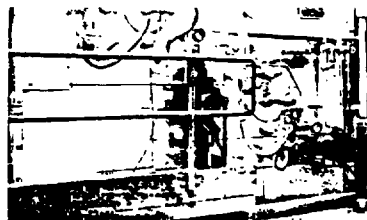




**RILEY STEAM GENERATING UNIT
WITH RILEY TRAVELING GRATE
SPREADER STOKER. PAPER MILL IN FLORIDA.**

50,000 lbs/hr — 450 psig design (1250 psig Future) — 650° F. (900° F. Future)
Fuels: Bark, Coal, Oil.

JACKSON & MORELAND, INC., CONSULTING ENGINEERS



Above, Riley Flare-type Burners installed on furnace sidewall.

Below, firing aisle view of four Riley Pneumatic Distributors.



Pulp and Paper Manufacturers using Riley Steam Generating Equipment

ABC Corrugated Box Corporation
 ABC Box Board Company
 Adamsville Products Company
 Adams Bros. Bag Company
 Alton & Son, Inc.
 Columbia Boxboard Mills
 The Champion Paper & Fibre Company
 The Charmin Paper Products Company
 Alcothe Paper Company
 Consolidated Water Power & Paper Company
 Continental Corporation of America
 Continental Paper Company
 Paperboard Products Company
 Paper Burbank & Co., Ass'n.
 Paper Zellerbach Corp.
 Paper Tissue Company
 Paper National Corporation
 Paper Pine Products Company
 Paper Paper Company
 Paper Paper Company
 Paper Mills
 Paper Prun & Company Inc.
 Paper Orange Paper Company
 Paper Paper Company

Frost White Paper Company
 Gaylord Container Corporation
 Georgia-Pacific Corporation
 P. H. Glatfelter Company
 Gould Paper Company
 Groveton Paper Company
 Hammermill Paper Company
 Hoerner Boxes, Inc.
 Hudson Pulp & Paper Company
 Imperial Paper & Color Corporation
 International Paper Company
 Kimberley-Clark Corporation
 Lawless Bros. Paper Mills
 Manning Paper Company, John A.
 Marathon Southern Corporation
 Masonite Corporation
 McLaurin Jones Company
 The Mead Corporation
 Mohawk Paper Mills
 Morris Paper Company
 Neenah Paper Company
 Newton Paper Company
 Northern Pacific Mills
 Ohio Match Company

Ohio Wax Paper Company
 Owens Illinois Glass Company
 Oxford Paper Company
 Paterson Parchment Paper Company
 Peninsula Paper Company
 Port Huron Sulphite & Paper Company
 Rayonier, Inc.
 Ruberoid Company
 Ryegate Paper Company
 St. Croix Paper Company
 St. Mary's Kraft Corporation
 St. Regis Paper Company
 Scott Paper Company
 Shasta Pulp and Paper Company
 Smith Paper Company
 Sonoco Products Company
 Strathmore Paper Company
 Sutherland Paper Company
 Vanity Fair Paper Company
 Waldorf Paper Products Company
 West Virginia Pulp & Paper Company
 Weverhaeuser Company
 Whippany Paper Board Company

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RILEY

**STEAM GENERATORS, PACKAGED BOILERS AND
ALL TYPES OF FUEL BURNING EQUIPMENT**