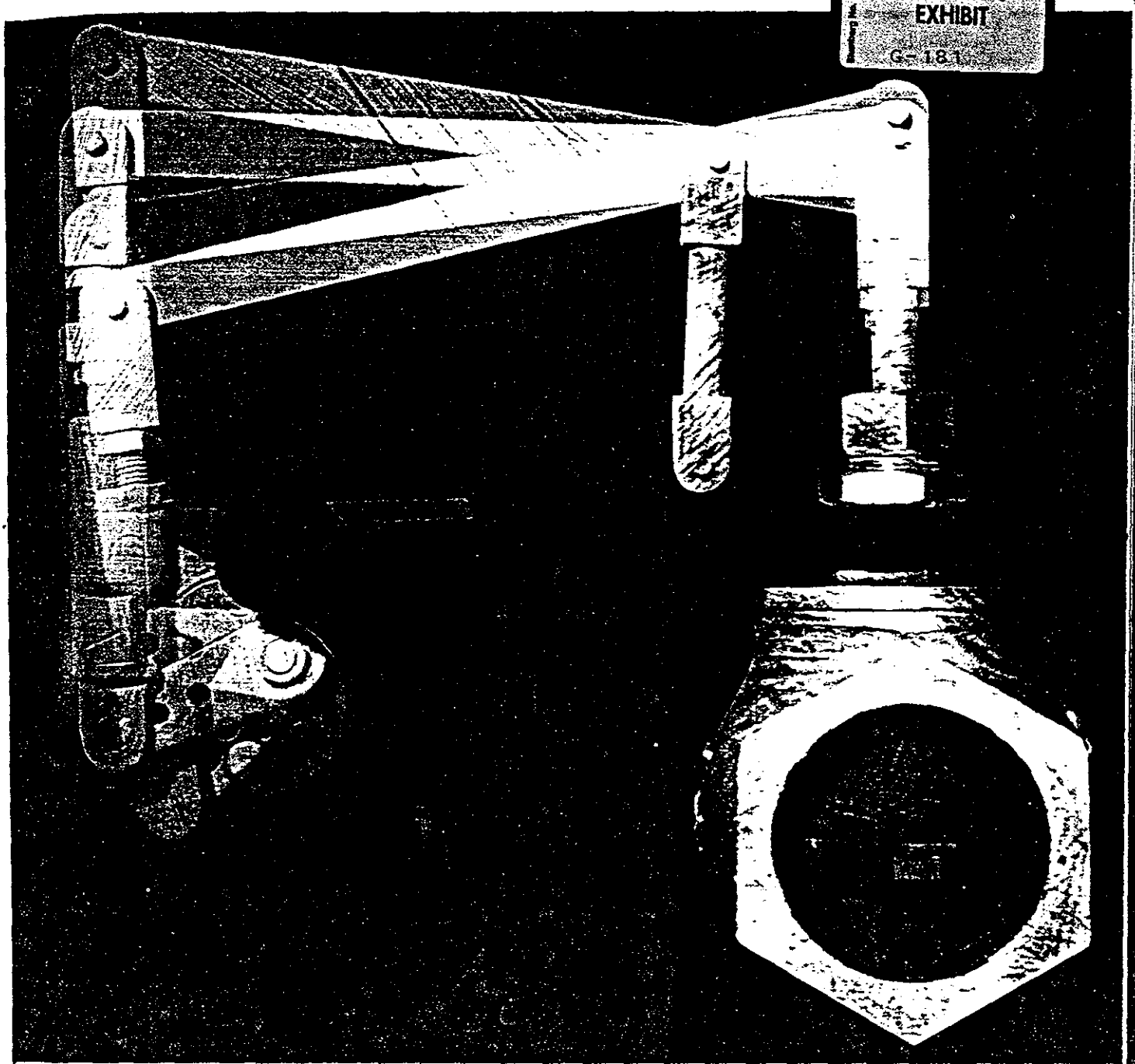
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the magazine of
energy systems engineering

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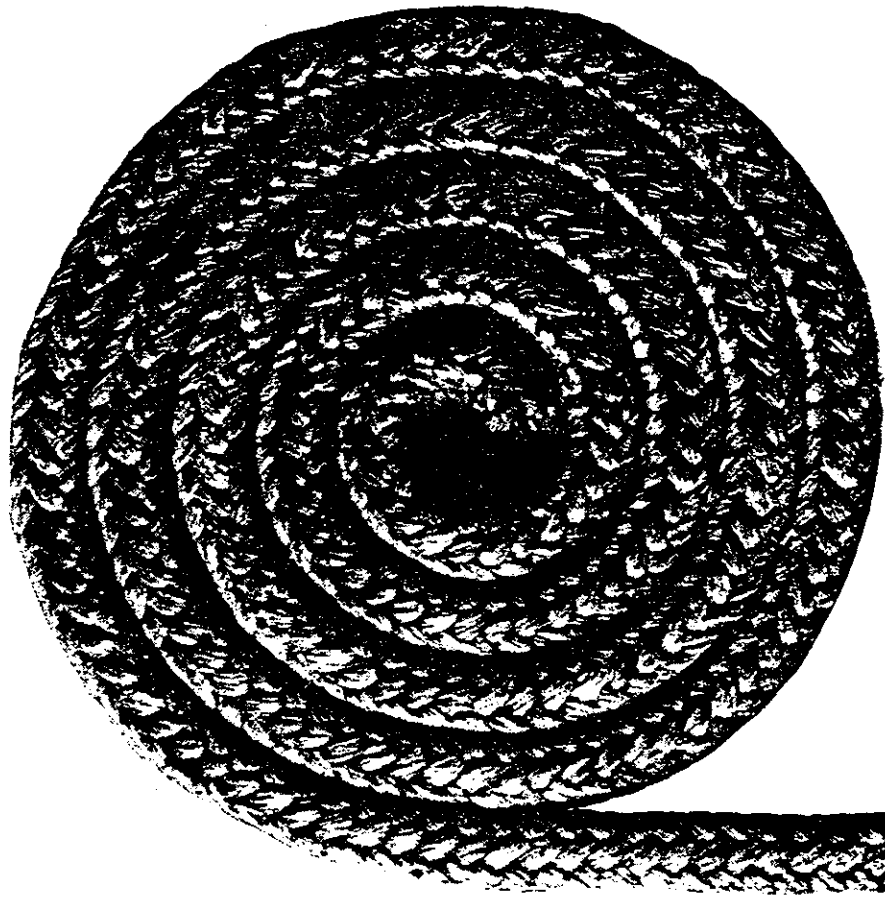
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ONTROL ACTUATORS NEW DESIGNS SPUR GREATER CONTROL FLEXIBILITY
A STAFF REPORT ▸ **165**

ALSO IN THIS ISSUE Who else really cares about boiler safety? **59**
Know the variables in jet pump design **74**
How overcurrent relays affect system design **76**



4 months to 12 months

On the turbine driving a boiler fe pump at 3450 rpm and 150 psi chemical company had used vario braided asbestos packings. Repai were necessary *three* times a ye Frequent adjustment required to co trol leakage. GARFITE "100" grap ite filament packing* was install one year ago and adjusted for seven weeks to zero visible leakage. Sin then, total gland adjustment has be about two flats. At this rate, G GARFITE "100" should last anoth *two years.*

5 weeks to 11 weeks

A large pulp & paper company wa getting only *4 or 5 weeks'* servi from packing on their soot blowe Standard products lose lubricity. T rod cannot be lubricated due to t 750° temperature. Working in t

More ways Garfite™ "100" Packing can save you maintenance days and dollars

...and the way to get it now

superheated steam, the first instal tion of GARFITE "100" graphite fi ment packing has already lasted *weeks.*

1 week to 7 weeks

An oil company uses a 4-stage boil feed pump. Temperatures avera 200°F at pressures up to 400 p Other packings lasted *one week* less and scored the bronze slee With GARFITE "100", packing life *seven weeks,* to date, with two ri added. Natural lubricity of GARFI has eliminated all sleeve scoring.

Performance like this is what caus GARFITE "100" graphite filame packing to be in short supply wh first introduced. So we increased p duction to meet demand. You c now get all the standard sizes, ⅛" 1", from stock through the Garlo Service Centers listed on the rig Or, for full details on this revolutio ary packing, write to Garlock In 414 Main St., Palmyra, N.Y. 145

*Patent pending

GARLOCK