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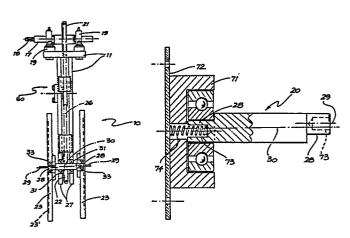
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54 Valve seat facing device.

(57) The present invention provides a device for lapping valve seats (16) of for example steam valves in a power generating station. The device includes means for providing torque to be applied to a crankshaft (20) which includes an eccentric shaft on (28) at least one of its extreme ends. Mounted on each eccentric shaft (28) by way of a loose fitting bearing (33) is a facing disc (23) which are interchangeable to allow different sizes and abrasive grades to be used. During operation the facing discs (23) are pressured towards their respective valve seats (16) being lapped by helival springs (74) held within counterbores (73) of each eccentric shaft (28) thus urging the discs (23) axially outwardly of the crankshaft (20). During rotation of the crankshaft (20) the discs (23) tend to orbit around the valve seat (16) being faced at a slow rate while moving substantially radially inwardly and outwardly at the rotational frequency of the crankshaft (20). The device therefor provides a relatively fast and accurate refacing operating to the valve seats (16) which may have been worn or scratched during use. Further the apparatus saves the valve having to be removed from its steam line and thus greatly reduces overall time involved in the operation.



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT				
Category		th indication, where appropriate, vant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	US-A-2 572 485 * Column 2, li line 8; figu	ne 51 - column 3,	1-3,7, 9	в 24 в 15/02
A	GB-A-1 235 789 * Page 2, line figure 2 *	•	1,4,5	
A	US-A-2 942 388	(CROFT) nes 34-45; figure	1,6,7	
A	US-A-4 205 495		2,3,7-	TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
A	FR-A-2 483 831 SOIRES SERVICE: * Figure 1 *	(SANITAIRE ACCES-S)	10	в 24 в
A	GB-A- 724 239	(DEWRANCE & CO.)		
A	US-A-2 230 953 -	(INDGE)		
	The present search report has t	peen drawn up for all claims		
THE HAGUE 10-01-1		Date of completion of the search 10-01-1985	HUGO	
Y: par doo A: tec O: nor	CATEGORY OF CITED DOCL ticularly relevant if taken alone ticularly relevant if combined w cument of the same category hnological background n-written disclosure ermediate document		of the same pate	lying the invention but published on, or plication reasons ant family, corresponding