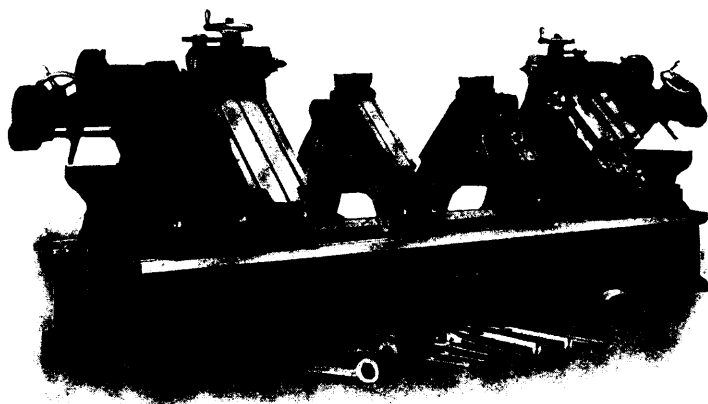


BERTRAM QUARTERING MACHINE



**With Outboard Support for Boring Spindles
and Removable Rest for Turn-
ing Crank Pins.**

This 90" Quartering Machine is designed for quartering and boring crank pin holes in locomotive driving wheels having right hand lead and wheels having left hand lead up to 85" in diameter on the tread. The boring spindles have 15" travel and two changes of power and rapid hand movement. The saddles are graduated and have angular adjustment for any length of stroke from 12" to 36". The axles are held on their centres and supported by adjustable V bearings, the wheels being clamped to the side of the frame. Each head is arranged to be driven by a 5 H.P. electric motor.

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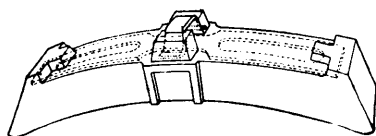
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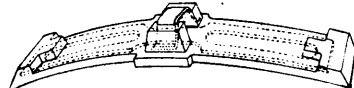
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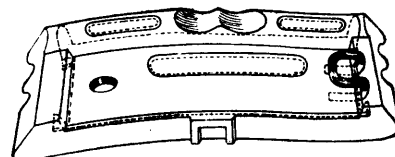
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ONLY SAFE SHOE FOR HIGH SPEED BRAKES

More dense and durable than common Cast Iron

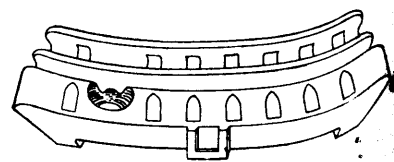
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Back View

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