



# Power feed saw bench

## 20 in B55 500

(British Standard Classification No. 12.131.36)







# Power feed saw bench

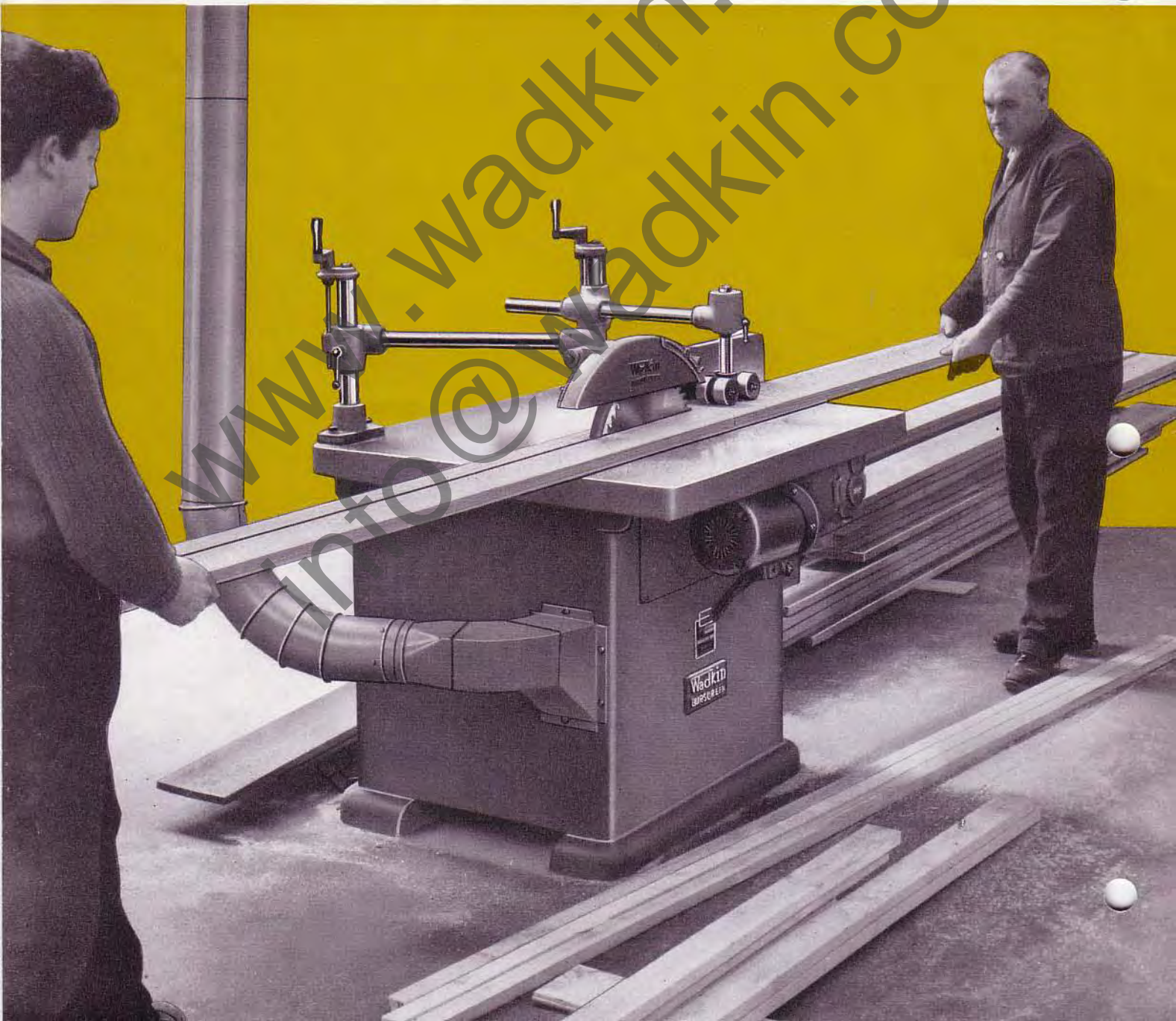
## 20 in BSS 500

Here for the first time is a power feed sawbench specifically engineered to bring all the economy of power ripping at a cost that is little more than for a pushbench.

In this case ripping speeds up to 45.7 metres per minute (150 feet per minute) are obtained from a simple yet extremely efficient power feed unit

designed as an integral part of the machine. The unit is powerful enough to feed any class of timber up to 125 mm (5 in) deep and produce sawing to a high standard of accuracy. When power feeding is not required a simple one-lever movement disengages the feed unit, leaving the bench clear for general purpose hand feed sawing.

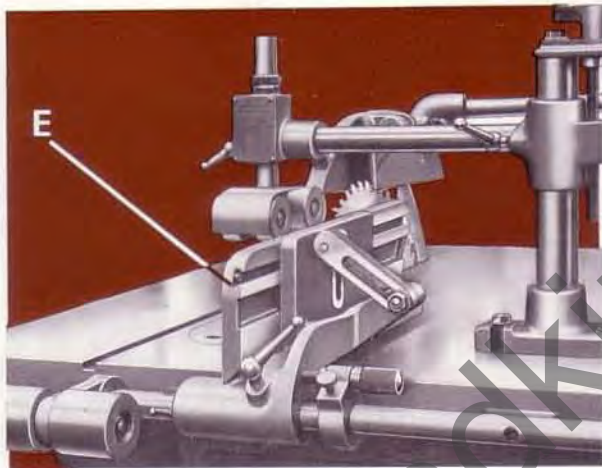
*Photograph by courtesy of W. J. Roberts (Bottesford) Ltd., Nottingham.*





# Now everyone can justify

## 20 in B55 500

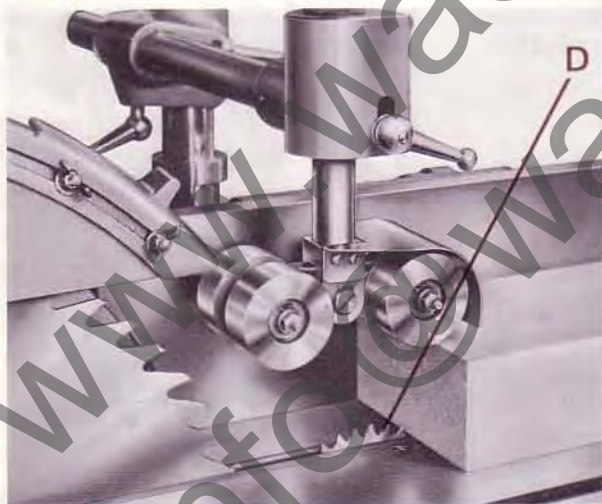


**A** Saw guard rises and falls by screw and is of the turnover type for access to saw.

**B** Table of ample proportions heavily ribbed for stability. Surface is precision ground.

**C** Heavy gauge steel main frame with cast iron feet for maximum rigidity and stability.

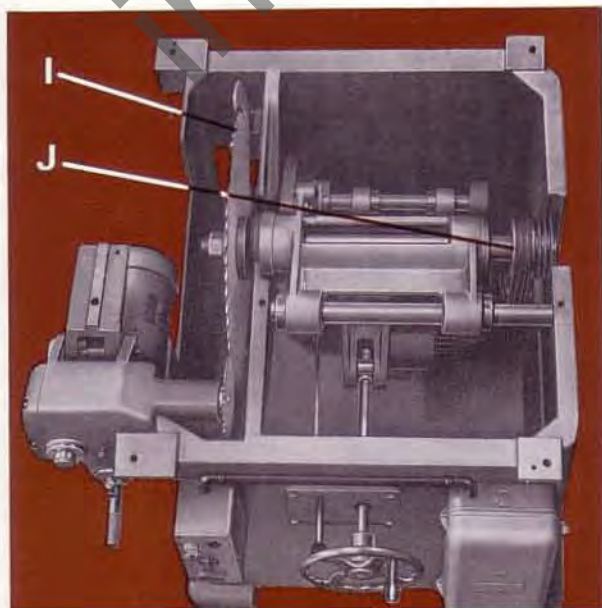
**D** Power feed is by toothed wheel in line with saw driven at six speeds through three-speed gearbox and two-speed motor. Resultant teeth marks in timber are removed by saw.



**E** Rigid canting fence has quick adjustment across table; also finger-tip fine screw adjustment for accurate setting to built-in rule.

**F** The power feed is pivoted to adjust height of toothed wheel to suit the class of timber.

**G** Saw spindle has easy rise and fall by hand-wheel. Powerful lock lever operation is provided. Riving knife rises and falls with saw.



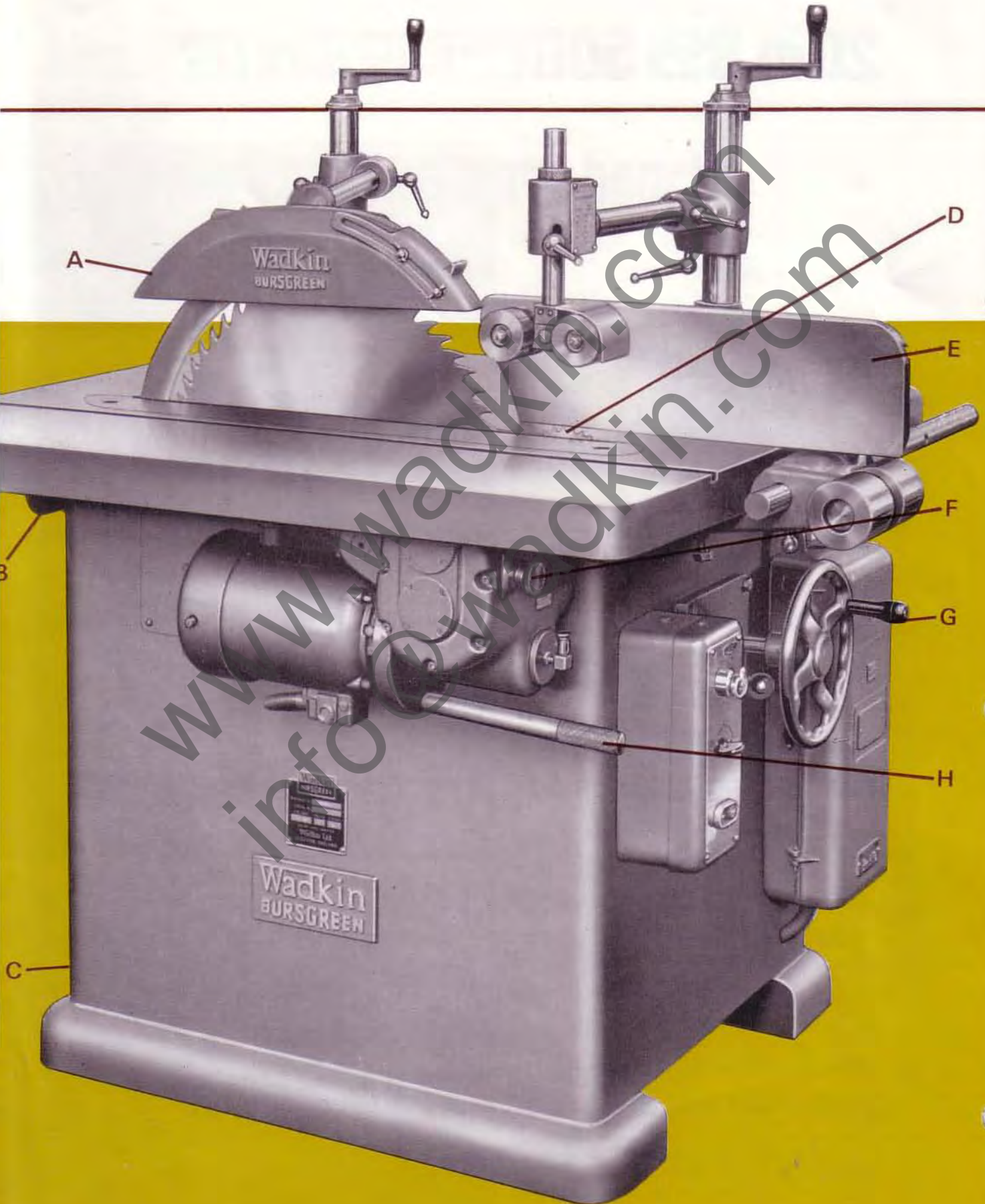
**H** Power feed can be quickly disengaged by simple lever action.

**I** All driving and rise and fall mechanism completely enclosed in main frame. Saw is enclosed in a hood with opening at rear to discharge dust.

**J** Saw spindle is carried in a pivoted yolk and runs on deep groove ball bearings. It is driven by vee belts from two-step pulley giving 2 spindle speeds from 8.6 kW (11½ hp) motor – essential for power feeding.



# power rip sawing







## 20 in BSS 500

**for fast accurate  
production sawing**

in any class of timber up to 125 mm  
(5 in) deep.



**instantly converted for  
deep sawing by hand feed**

up to a maximum depth of 180 mm  
(7 in).



**equally efficient as a  
general purpose bench**

large table admits up to 500 mm (20 in)  
between saw and fence and table is  
grooved to receive a cross cutting and  
mitring fence.







# 20 in BSS 500

## Power feed saw bench

### SPECIFICATION

Maximum diameter of saw	500 mm	20 in
Minimum diameter of saw	380 mm	15 in
Maximum depth of cut		
using power feed	125 mm	5 in
when hand feeding	180 mm	7 in
Feed speeds	8.5, 12.8, 16.7, 22.8, 25.9, 45.7 m/min	28, 42, 55, 75, 85, 150 ft/min
Size of table	1070 x 990 mm	42 x 39 in
Maximum distance saw to fence		
with hand feeding	500 mm	20 in
using power feed	200 mm	8 in
Fence dimensions	560 x 150 mm	22 x 6 in
Fence cants to	45°	45°
Rise and fall of spindle	100 mm	4 in
Table height	860 mm	34 in
Speed of saw spindle for 500 mm (20 in) saw	2200 rev/min	2200 rev/min
Speed of saw spindle for 380 mm (15 in) saw	2800 rev/min	2800 rev/min
Horsepower of saw motor	8.6 kW	11½ hp
Horsepower of 2-speed feed motor	0.25, 0.75 kW	⅓, ⅔ hp
Yield on feed rollers	12 mm	½ in
Diameter of saw spindle	31.75 mm	1¼ in
Alternative saw spindle	30 and 32 mm	—
Diameter of driving pin	12 mm	½ in
Saw spindle and driving pin centres	35 mm	1⅜ in
Net weight	585 kg	1290 lb
Gross weight (approximate)	725 kg	1600 lb
Shipping dimensions	1.4 m³	49 ft³

Details included with the machine: motor, control gear and internal wiring, saw guard and riving knife, canting fence, set of spanners. Grease gun and ball bearing grease, felt and wood saw packings.

*As our policy is constantly to improve the design of Bursgreen woodworking machinery the details given in this leaflet are not to be regarded as binding.*



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