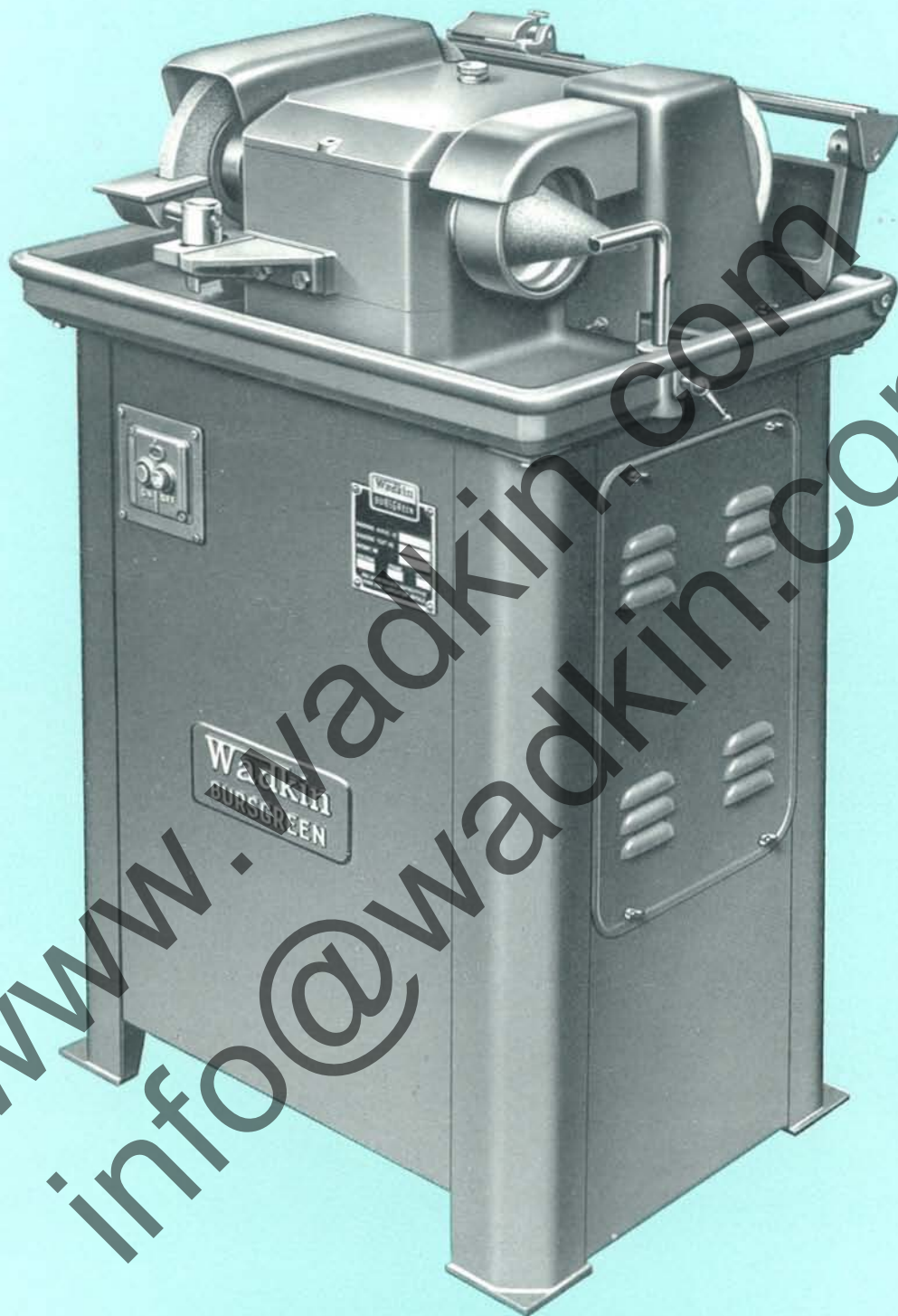


Woodworkers' Tool Grinder (BZG)



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Wadkin
BURSGREEN



Woodworkers' Tool Grinder



GRINDING



HONING



STROPPING

Faster, easier and better woodwork comes naturally when cutting tools are kept properly sharpened. This grinding machine with its fast and slow running spindles, and its combination of coarse grinding wheels, fine oilstone and stropping wheel make it easy for practically every cutting tool used by carpenters, joiners, cabinet makers, pattern makers to be kept sharp.

All tools are securely held to give the correct cutting angle and hollow grind.

It is a matter of a few moments only to take

a tool to this grinder and bring it away correctly hollow ground, honed and stropped. The internal oiling system used for the fine oilstone keeps it always ready for use and free from dust or grit.

Every woodworking shop needs this versatile tool grinder. It provides efficient low cost tool maintenance and many years of all round usefulness, the value of which is out of all proportion to its cost.

—indispensable in every shop for keeping tools sharp



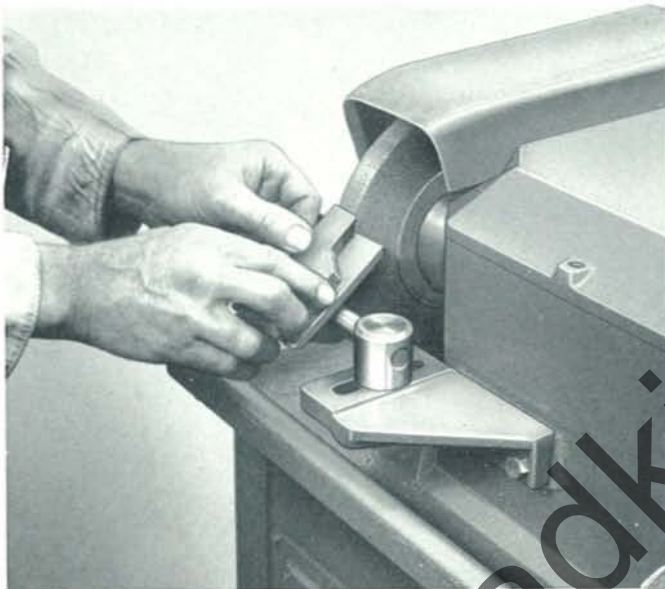
GOUGE GRINDING

Coarse emery cup wheel
8" x 2", running at
300 r.p.m.

Tools are held at the required cutting angle on the sliding tool holder ensuring uniformly keen cutting edges and correct hollow grinding.

Drive completely enclosed.

Fine oilstone 8" x 2"
equipped with an internal
oiling system running at
300 r.p.m.



GENERAL PURPOSE GRINDING

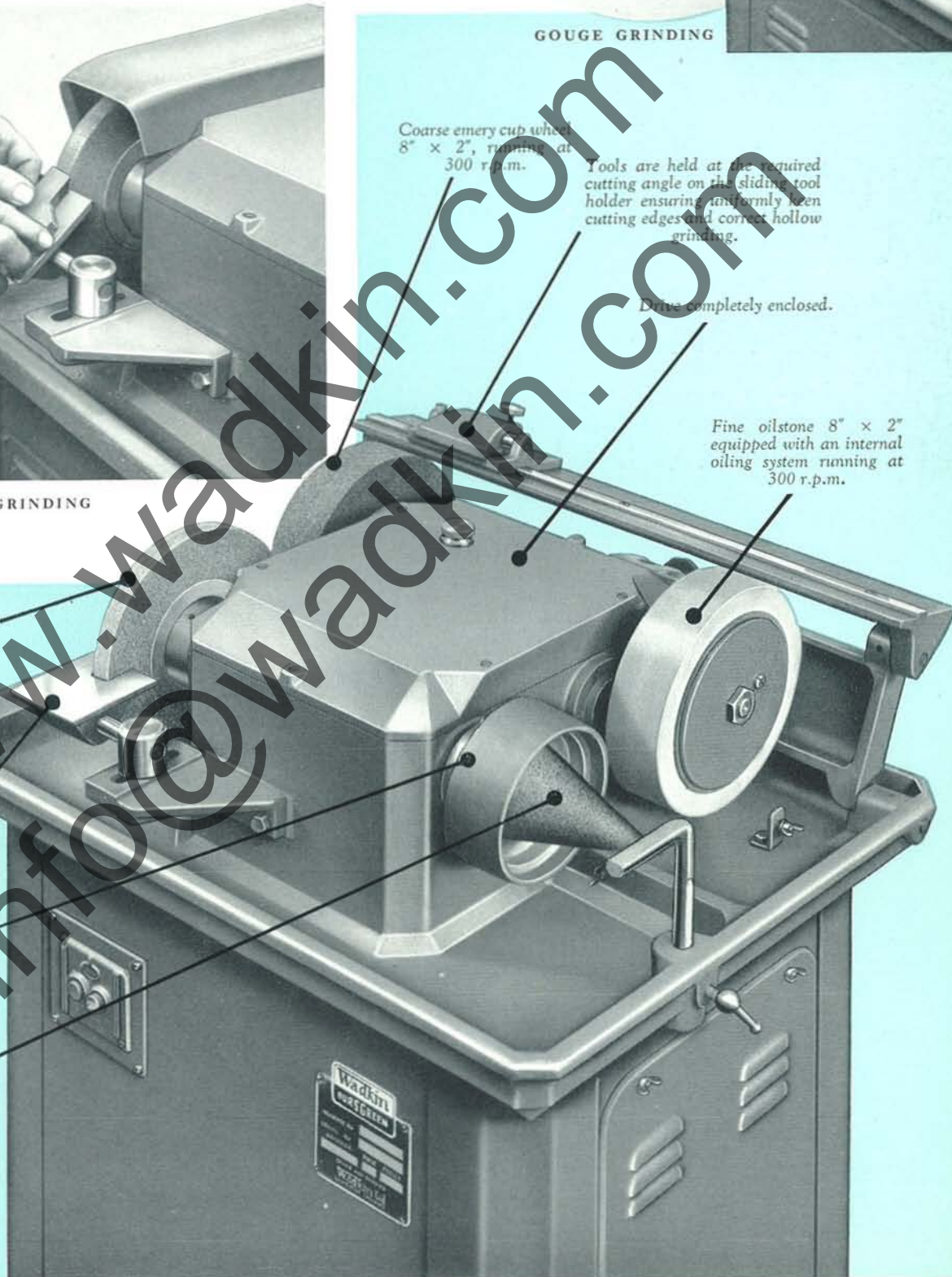
8" x 3/4" grinding wheel
running at 2000 r.p.m.

Universal tool rest.

5 1/4" x 2" leather covered
stopping wheel running
at 2000 r.p.m.

3" x 5" long grinding
cone with rest for gouges.

Covers have been removed in
this illustration to show the
various wheels more clearly.



Woodworkers' Tool Grinder (BZG)

CONSTRUCTION

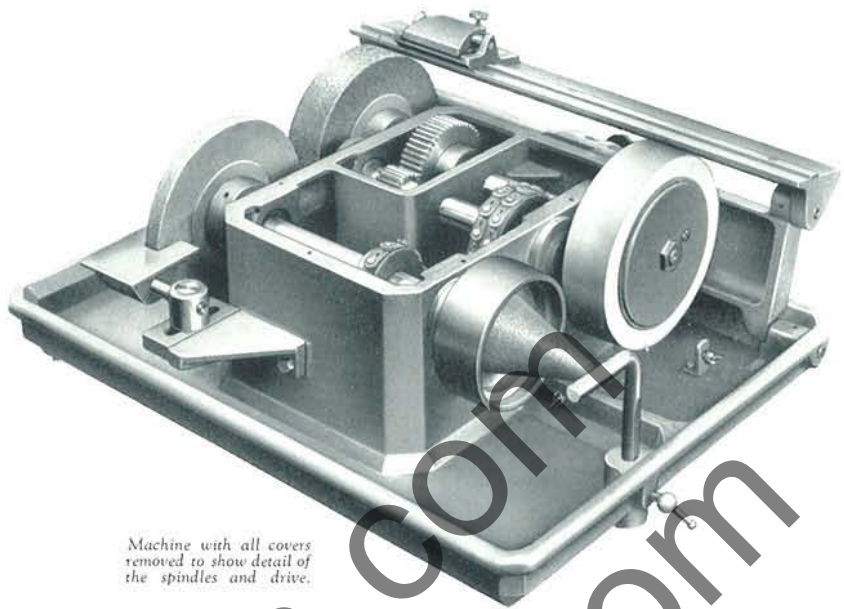
MAIN FRAME is of robust steel plate construction. It forms a rigid support for the grinding wheel spindles, and completely encloses the drive. Access is through a side panel. The machine embodies slow and fast running spindles. Both spindles run on ball bearings.

DRIVE is from motor hinge mounted inside the main frame. Drive to the fast spindle is by belt direct from the motor. Slow spindle

is driven by belt through intermediate reduction gear. Gear is totally enclosed and runs in oil.

MOTOR is totally enclosed fan cooled and controlled from flush mounted, built in push button stations, one on each side of the machine. Automatic contactor gear embodies full protective features including no volt and overload releases.

GUARDS. All wheels are provided with detachable guards.



Machine with all covers removed to show detail of the spindles and drive.

TOOL REST for the slow spindle is adjustable by screw motion to present the cutting tool at the correct angle and to apply the feed to the wheel. It carries a sliding clamp for the tool which is moved backwards and forwards across the face of the wheel. The tool rest covers the full length of the spindle and permits the clamp being used over either wheel. Tool rest for the fast spindle is fully adjustable and designed for flat or angular grinding. A rest is also provided for the grinding cone.

SPECIFICATION

Size of oilstone cup wheel	8" x 2"	203mm. x 51mm.	Speed of slow spindle	...	300 r.p.m.
Size of coarse emery cup wheel	8" x 2"	203mm. x 51mm.	Horsepower of motor	...	1 h.p. 960 r.p.m.
Size of emery wheel	8" x 4"	203mm. x 19mm.	Floor space	...	2' 7" x 2' 10" 787 x 864 mm.
Size of cone	3" x 5"	76mm. x 127mm.	Nett weight	...	4½ cwt. 229 kilos.
Size of stropping wheel	5½" x 2"	133mm. x 51mm.	Gross weight	...	6½ cwt. 330 kilos.
Speed of fast spindle	...	2000 r.p.m.	Shipping dimensions	...	23 cu. ft. .651 cub. met.
			CODE WORD :	...	BZEDG.

DETAILS INCLUDED IN THE PRICE

Motor and control gear. One cup wheel. One fine grain oilstone. One leather stropping wheel. One emery wheel.
One cone for sharpening gouges. Two tool rest. Set of spanners. Lubricating pump and tin of lubricant.

SALES & SERVICE

Telegrams : Woodworker-Phone-Leicester
Telephones : Leicester { 67114 (4 lines)
66021 (3 lines)
London Office:
Brookfield House, 62-64, Brook Street, W.1
Telephones : MAYfair 7048 & 9.

Wadkin Ltd.
Green Lane Works, Leicester

BURSGREEN machines are manufactured by:
BURSGREEN (DURHAM) LTD., Fence Houses
Houghton-le-Spring, Co. Durham.
BURSGREEN (COLNE) LTD., Lodge Holme
Trawden, Nr Colne Lancs.