

**NEW**

**PORTER-CABLE**  
*"Wet-r-Dry"*  
**SANDER-GRINDER**  
*for FASTER and FINER*  
**FINISHING** !

The latest development in the line of sanding, grinding and polishing machines to utilize the principle of wet sanding, grinding and polishing.

**CUTS FASTER**

Wet grinding doesn't permit the belt to load up — the grit is clean and free to cut to its full capacity at all times . . . the belts last much longer. Finer results are obtained with any grit, for instance, working with a No. 80 belt, the finish is comparable to No. 120 used dry — No. 220 wet produced a finish equal to No. 320 worked dry.

**SAVES HAND WORK**

Many plants had been compelled to handle many of their operations entirely by hand due to the objections inherent in dry sanding and grinding but have now gone to wet sanding, grinding or polishing on PORTER-CABLE Sander - Grinders and cut production cost.

Special cloth belts are supplied in a variety of grits for the desired finish or for the time allowable for the job. Wet sanding or polishing has eliminated many of the problems present in working with dry abrasive —

. . . it avoids frictional heat and discoloring, fracturing or warping —

. . . it avoids chipping of brittle materials such as glass.

. . . it reduces the fire hazard — overcomes objectionable dust, a menace to health and to the equipment in the plant.



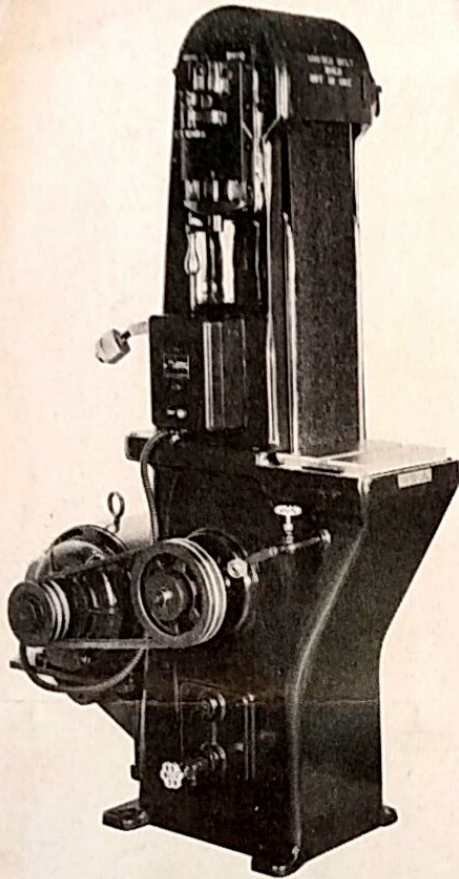
Right, front view of Type G8  
*Wet-r-Dry Sander-Grinder*

*The* **PORTER-CABLE-MACHINE-COMPANY**

PRECISION MACHINERY BUILDERS SINCE 1906

1714 N. SALINA STREET

SYRACUSE, N. Y.



Side view of Type G8  
*Wet-r-Dry*  
SANDER - GRINDER  
with belt guard removed

### SPECIFICATIONS

Type G-8 - Code Word GEATE  
BELT SIZE: 8" wide x 9' circumference.  
(9" width may be used.)  
DRIVE PULLEY: 12" dia. x 9" wide.  
IDLER PULLEY: 8" dia. x 9" wide.  
TABLE: 11 $\frac{3}{4}$ " wide x 8" deep, with slot  
for angle gauge.  
BELT BACKING PLATE: 9" wide x 19"  
long, reversible and adjustable in and  
out. May be covered with cork and  
chrome steel for cushion effect.  
BEARINGS: Heavy duty, ball, protected  
with special seals against dust and  
water.  
TABLE HEIGHT FROM FLOOR: 31"  
HEIGHT OVER ALL: 65"  
WIDTH OVER ALL: 20"  
DEPTH OVER ALL (Incl. Motor): 37"  
NET WEIGHT without Motor: 650 lbs.  
NET WEIGHT with 3 H.P. Motor: 834 lbs.  
SHIPPING WEIGHT without  
Motor: 750 lbs.  
SHIPPING WEIGHT with 3 H.P.  
Motor: 940 lbs.

## PORTER - CABLE *Wet-r-Dry* SANDER-GRINDER TYPE G8

The type G8 can be furnished for either wet or dry grinding, sanding and polishing. For wet operations it is equipped with a controllable water system and double spray nozzle. The drain has two 1 $\frac{1}{4}$ " pipe holes with a pipe plug in the upper and a faucet in the lower to control drainage. A removable plate allows easy cleaning of the base. When this machine is equipped for dry work the spray nozzle is omitted and instead of the drain plate a casting to accommodate a 6" exhaust air pipe is furnished.

The base of this machine is cast iron, the upper part and door guard are aluminum. The bearings are heavy duty, sealed from dust and water. The idler, or upper, pulley is mounted on a shaft supported on a dovetailed slide operated by crank to adjust tension of abrasive belt. A single knob is used for aligning the belt.

This type can be furnished without motor, or equipped with either a 3 H.P. or 5 H.P. 220/440 V., 60 cycle, three phase, 1725 r.p.m., totally enclosed, fan-cooled motor with magnetic starter. The drive is double V belt, and proper size pulleys can be supplied for speeds from 2200 to 6000 surface feet per minute.



This model is available for either wet or dry grinding, sanding or polishing.

The B6 waterized unit is equipped with a spray jet

These spray a mist over the width of the belt. The upper spray supplies a mist immediately before the belt enters the cut. The lower jet sprays the belt and washes out the waste material—the abrasive grains are always clean, capable of the most efficient cutting.

The belt is enclosed except at the operating point. Water is confined within the guard and drains from the bottom of the machine—no splashing. Water is supplied from your water system or by gravity from a source above the machine.

## PORTER - CABLE *Wet-r-Dry* SANDER - GRINDER TYPE B6

WITH FLEXIBLE BELT  
FOR IRREGULAR WORK  
Belts 1/2" to 3" Wide

Type B12 is also available as a wet or dry sander or grinder. It is designed for production operations on flat work, or edges. It is light in weight and can be taken to the job—portable. The spray applies water immediately before the grinding, sanding or polishing operation. The machine is enclosed to retain the moisture. A drain is provided to carry away water and waste material.



TYPE B12  
*Wet-r-Dry*  
SANDER - GRINDER  
With 6" Belt

In addition to the *Wet-r-Dry* SANDER - GRINDERS shown in this bulletin, we build a complete line of belt, disc and spindle sanders and grinders.

You are cordially invited to use our experimental facilities on any sanding, grinding or polishing operations you think may be within the capacity of our equipment. Write.



REFERENCE

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MAR 1 1940

**PORTER-CABLE**

*Precision Machinery*

SPEEDMATIC FLOOR SANDERS  
EDGERS AND ELECTRIC HAND SAWS  
BELT . . DISC . . SPINDLE SANDERS



*Builders Since 1906*

**MACHINE COMPANY**

*Syracuse, N. Y.*

February 28, 1940

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New York, N. Y.

Gentlemen:

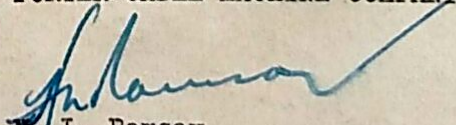
You may be interested in passing this bit of information on to your readers since so many of our customers have requested that we build a new type of grinder -- a heavy duty belt model, for wet belt and dry grinding metals, plastics, ceramics, glass, rubber and other materials.

On March 20 we will announce this new machine which will be known as our G-8, and which we have taken the liberty of describing to you in the enclosed bulletin and notice attached.

We trust you will find this news of value and if you wish us to send a glossy print or an electro to illustrate any mention of it, we will be happy to do so upon receipt of your request.

Very truly yours,

PORTER-CABLE MACHINE COMPANY

  
H. L. Ramsay  
Sales Promotion Manager

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enclosures

*Do not letter in correspondence files*

**PORTER-CABLE SANDERS ARE THE MOST WIDELY USED IN THE WORLD**

A new heavy duty belt grinder equipped for dry or wet grinding is ready for delivery by PORTER-CABLE MACHINE COMPANY of Syracuse, N. Y.

This new grinder, model G-8, has provisions for a variety of speeds from 2400 to 6000 F.P.M. for grinding metals, plastics, ceramics, glass, rubber, etc. Used for squaring, cleaning, burring, facing, polishing operations, for removing gates and flashing.

An exceptionally long belt is used, 9' in circumference. This reduces heat and the longer belt gives more economical service. Belt width 8" or 9". Model G-8 is built for heavy duty with large pulleys, heavy duty special sealed bearings, sturdy construction throughout including the belt tensioning unit. The G-8 is a new type of belt grinder added to this company's line at an insistant demand for present day requirements.