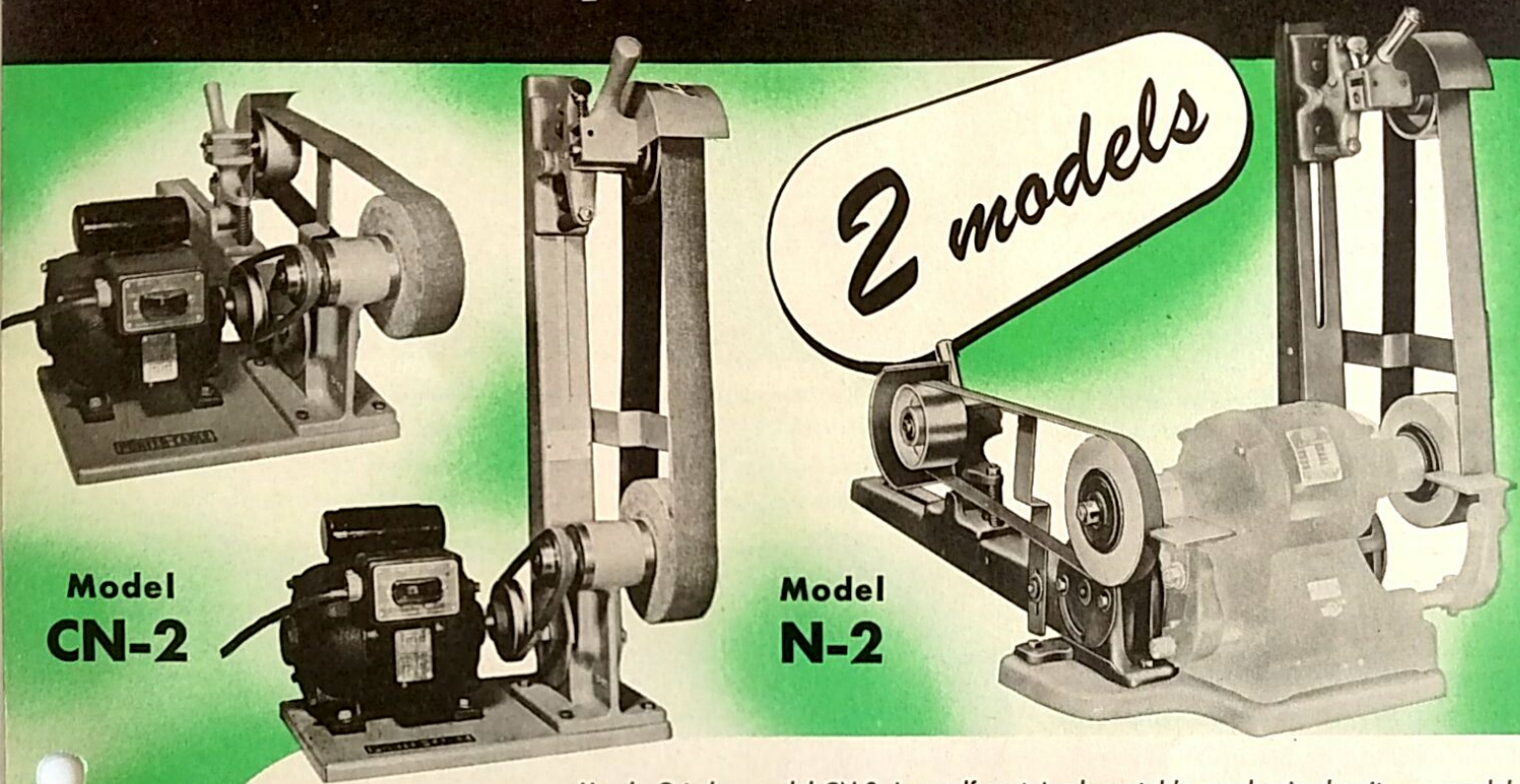


# Handy Grinders by Porter-Cable



**Model  
CN-2**

**Model  
N-2**

Handy Grinder, model CN-2, is a self-contained, portable, modernized unit . . . model N-2 is an attachment which quickly converts your present wheel grinders into speedy, accurate, multi-purpose abrasive belt grinders. Both models adjustable to any angle vertical to horizontal; each equipped for wheel or resilient contact roll grinding, platen and free belt grinding.

## CONTACT GRINDING

The more completely exposed grain on the abrasive belt speeds cutting with less effort . . . the resilient contact wheel avoids chatter, improves finish.

## FLEXIBLE GRINDING

The free belt permits grinding and finishing irregular surfaces, rounding, getting into otherwise inaccessible places.

## PLATEN GRINDING

for machining stock square, flat or round, breaking corners, etc.

**N**OW you can have all the advantages of faster belt machining, smoother, more rapid contact wheel grinding, of accuracy obtainable in platen machining and the versatility of a free running abrasive belt to follow contours, to get into and machine otherwise inaccessible places.

The results achieved with the abrasive belt operating over a resilient contact roll or platen are well known and accepted by operators of larger machines . . . jobs are done in much less time, the finish improved, operations eliminated, and work done with less effort.

These smaller, portable "Handy Grinders" now give you opportunities to apply this improved method to many operations . . . to set these Handy Grinders "at the elbow" of machine tool operators to remove burrs, parting lines and flash tool marks, break corners, generate radii, etc. . . alongside the automatics, the band saw, hack saw, or metal cut-off saw, the punch press . . . on the deburring benches . . . or handy about the shops for set-up men . . . and in the Tool Crib . . . in the Assembly Department . . . the Tool Room . . . Pattern Shop . . . Maintenance Department . . . in Repairing Shops of any type. The speed and versatility of the Handy Grinder save time and improve the finish with less effort.

Handy Grinders, with the proper selection of the abrasive belt are equally effective on ferrous and non-ferrous Metals, Plastics, Carbides, Ceramics, Stone, Bone, Glass, Wood, etc.

**THEY'LL MAKE YOU MORE MONEY!**

... the PORTER-CABLE Abrasive Belt Grinding or Machining Method . . . SPEEDS and IMPROVES THE FINISH of jobs with LESS EFFORT.

The abrasive belt is a FASTER cutting agent since the millions of abrasive grains are almost entirely exposed, with NO BINDER or filler to interfere with its full cutting capacity.

... the electro-coating process for applying the abrasive to the belt sets the heavy side of the grain on the belt . . . the points or SHARP CORNERS UP and IN POSITION TO CUT most efficiently.

... therefore, you get more work done per minute with the HANDY "BELT" GRINDER.

... and since the circumference of the belt is greater, HEAT IS DISSIPATED . . . the cooler job CUTS FASTER . . . reduces DIS-COLORING, FUSING, CRACKING, CHECK-ING, etc.

CHATTER ELIMINATED. The resiliency of the Contact Roll over which the abrasive belt operates permits the work to "LAY INTO" THE BELT AND CONTACT ROLL . . . the work isn't thrown off or resisted as with a hard wheel.

... on the PORTER-CABLE Handy Grinders it is easy for even INEXPERIENCED OPERA-TORS to speed jobs.

The abrasive belt and Contact Rolls are manufactured under closely controlled conditions . . . the two are BALANCED, SMOOTH RUNNING units.

... this factor, along with the RESILIENCY of the Contact Roll, produces a SUPERIOR FINISH with NO EXTRA COST or EFFORT . . . the finer the abrasive used, the smoother the finish.

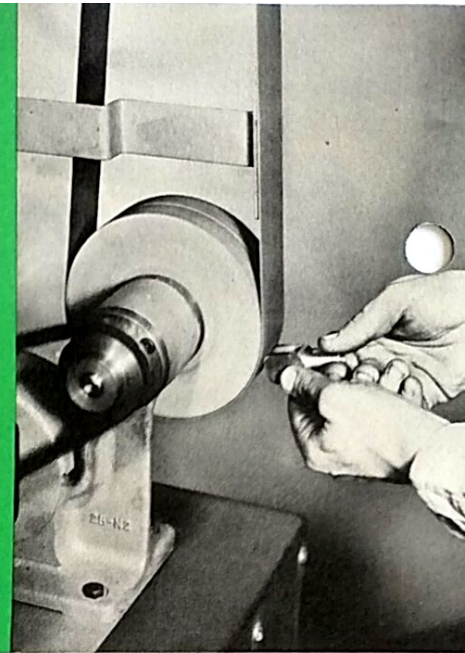
The SUPERIOR FINISH produced by the BALANCED Unit often ELIMINATES OPERA-TIONS to obtain a desired finish.

... for instance, POLISHING TIME is MUCH REDUCED since the uniform sized grain evenly loaded on the belt cuts uniformly, leaving no deep scratches to polish out.

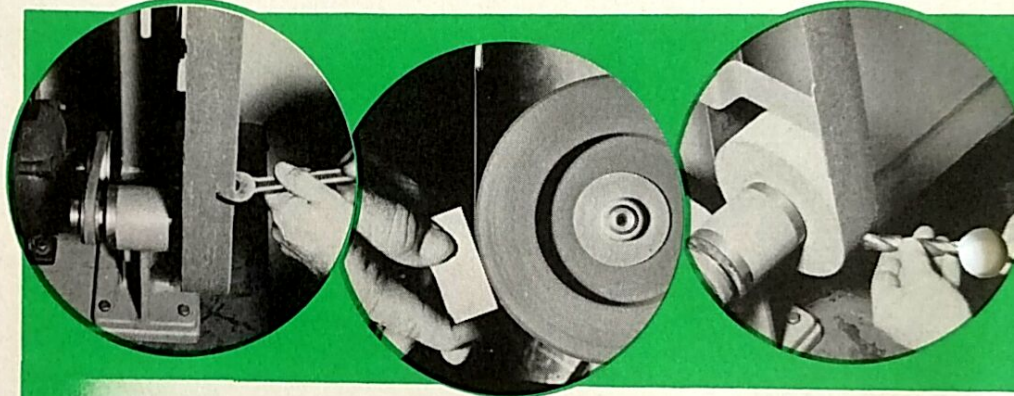
Since the abrasive is fully exposed for work and the Contact Roll permits it to cut at full efficiency, LESS EFFORT by the OPERATOR is required . . . this further speeds jobs and where an operator works for hours at the Handy Grinder INCREASES OUTPUT by RE-DUCING FATIGUE.



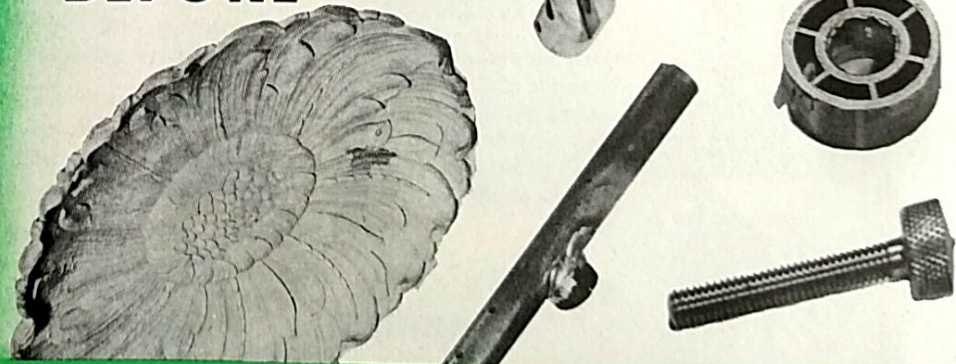
Using Platen on a CN-2 Handy Belt Grinder to clean up and square inside a fork-shaped piece. CN-2 Porter-Cable Handy Grinder.



Generating radii on abrasive belt operating on resilient contact roll . . . smooth, chatterless, faster, on CN-2 shown or N-2 Porter-Cable Handy Grinder.

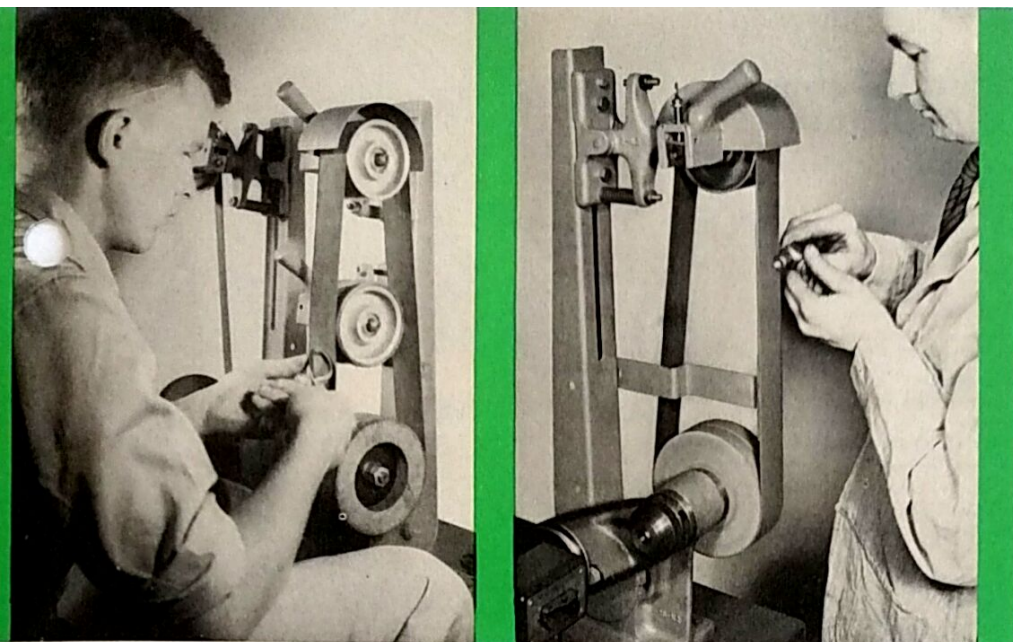


## BEFORE



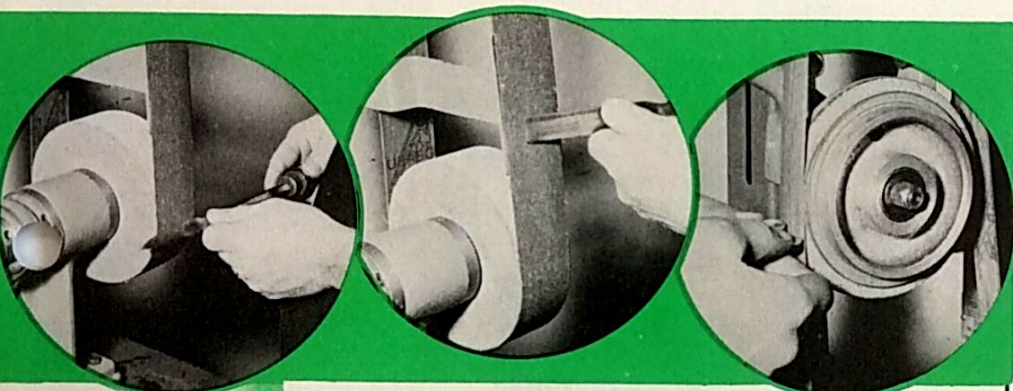
## AFTER





Using Formed Contact Roll to shape abrasive belt to expedite grinding of handles. 2 N-2 Porter-Cable Handy Grinders shown.

Using "free" belt for grinding, polishing, removing tool marks, burrs, etc. . . . to follow contours, get into otherwise inaccessible places . . . machines up to shoulders, into corners, grooves, etc., on CN-2 (shown) or N-2 Porter-Cable Handy Grinder.



### SPECIFICATIONS

	CN-2	N-2
Height overall	27"	27"
Width frame	2½"	2½"
Base	5" x 7"	5" x 7"
Platen	2" x 4"	2" x 4"
Idler Pulley	4" dia. x 2	4" dia. x 2
Contact Roll	6" x 1 6" x 2	6" x 1 6" x 2
Contact Roll Arbor	⅝" dia.	
Assembly Base for CN-2 and motor	15 x 10½ x ¾	
Assembly Base 2 N-2s and Grinder		18½ x 13¼ x 1
Motor recommended, minimum	½ HP	½ HP
Drive V Pulley	3¾ dia.	
Driven V Pulley	2¾	
Net Weight:		
With Motor and Contact Roll	62 lbs.	
Less Motor and Contact Roll	31 lbs.	14 lbs.
Shipping Weight:		
With Motor and Contact Roll	100 lbs.	
Less Motor and Contact Roll	35 lbs.	19 lbs.

**STANDARD EQUIPMENT** — CN-2 complete with Assembly Base as illustrated on front cover and 1 extra abrasive belt but less Contact Roll, Motor, Motor V Pulley and V Belt. N-2, as illustrated on cover, and 1 extra abrasive belt but less Contact Roll. **EXTRA EQUIPMENT:** Contact Rolls, 1" x 6, 2" x 6; 11Y-N2 Formed Contact Roll, Bearing and Mounting Assembly. Drive Unit for CN-2, ½ HP (110-60-1, or 220-60-3) Motor, Motor V Pulley, and V Belt and V Belt Guard.

. . . these **HANDY GRINDERS** get more done per hour.

Work is not done directly on the Contact Roll but on the Abrasive Belt; therefore, the **CONTACT ROLL REMAINS FLAT, SQUARE and UNIFORM . . . the DIAMETER remains CONSTANT.**

. . . the operator **DOES NOT STOP TO SQUARE UP or CHANGE** the abrasive unit to grind square, flat, into corners or up to shoulders.

**TO CHANGE BELTS**, for instance, coarse to fine, release tension, slip off one and on with the other, **DONE IN A FEW SECONDS.**

. . . the **INVESTMENT** for a stock of abrasives of a wide variety of grit sizes is **COMPARATIVELY LOW.**

Operating with a belt is **SAFE**; the belt simply drops off, should it break.

Handy Grinders **INCREASE** the number of **OPERATIONS DONE BY MACHINE.**

Operations are not confined to what a wheel will do. Instead, the improved method of **CONTACT WHEEL GRINDING** speeds a superior job.

. . . **PLATEN GRINDING HANDLES MANY ADDITIONAL OPERATIONS:** machining square, flat and rounds, knocking off corners, working squarely into grooves or corners, etc.

. . . and with the **FREE ABRASIVE BELT** an operator **GRINDS or POLISHES IRREGULAR SURFACES**, follows contours, pencils, machines into otherwise inaccessible places, and with a belt scived on the edge, **FOLLOWS INTRICATE PATTERNS** or shapes.

. . . several operations are done on one job, i.e.; **GRINDING TO SIZE** on the Contact Roll, **SQUARING UP** on the Platen, and machining any irregular inside sections.

The **PORTER-CABLE HANDY GRINDERS** will quickly prove money makers . . . they will **ELIMINATE MANY HAND OPERATIONS, SAVE STEPS and MUCH HANDLING.**

. . . these **INEXPENSIVE** machines should be **HANDY . . . AT THE ELBOWS** of your men to **MAKE MONEY FOR YOU.**

# PORTER-CABLE "Wet-Belt" MACHINING METHOD

... produces  
outstanding  
results

... a high speed, precision  
method.

... an entire area is worked at  
once.

... interrupted areas machined  
flat and square, no dubbing.

... superior finish produced,  
quickly.

... heat eliminated by use of  
coolant; warping, distortion, dis-  
coloring, fracturing, chipping  
avoided.

... fast machining method as  
millions of grits or cutters on the  
abrasive belt remove millions of  
chips per minute.

Chips are small, cutting of each  
takes little pressure.

Pressure is in one direction.

Therefore, very simple; fixtures  
suffice.

... inexpensive, quick to set up,  
load and unload; from 55% to  
75% of table time is saved.

... many operations can be  
done free hand, no jig cost, set-  
up, loading and unloading.

... consequently, manufacturers  
with small lots can more suc-  
cessfully compete with those hav-  
ing long runs.

The ease of holding jobs simpli-  
fies machining one piece lots, as  
in pattern, tool or die shops, or  
in maintenance and repair.

... additional economies; many  
operations are done efficiently  
(machining flat, parallel, taper,  
irregular shapes, square, gener-  
ating radii, etc.) on one PORTER-  
CABLE Surfer.

Allowances of  $\frac{1}{4}$ "- $\frac{1}{32}$ " only re-  
quired for machining; save ma-  
terial and operating time.

Investigate the PORTER-CABLE  
Wet Belt Machining Method.

... for ferrous, non-ferrous  
metals, plastics, glass, ceramics,  
etc.

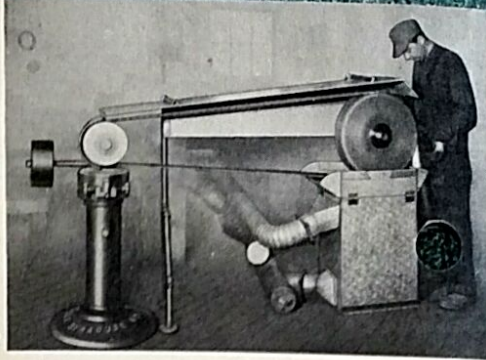
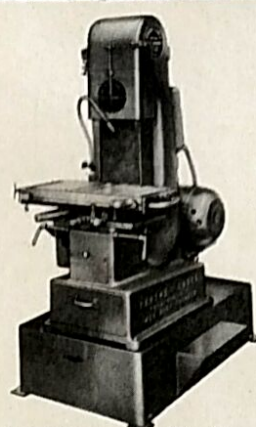
Several models shown here ...

## BG-8 Porter-Cable Wet Belt Surfer

makes available all advantages of  
the PORTER-CABLE Wet Belt Machin-  
ing Method. Heavy Construction  
gives rigid support to the platen  
and the Automatic Hydraulic Con-  
trolled Feed Table for speed and  
precision.

Since Wet Belt Machining needs only  
simple fixtures ... jobs are quickly  
set up ... and fixtures loaded and  
unloaded so rapidly, BG-8s are found  
in the production line of most  
manufacturers.

... low cost of fixtures, simplicity and quick set-up enables the  
small manufacturer with comparatively short runs, using PORTER-  
CABLE BG-8s, to compete profitably with larger competitors.  
In the Tool Room ... Pattern Shop ... Maintenance and Repair  
... in the Jobbing Machine Shop, the BG-8 is a proven money  
maker.



**ABS** Backstand Idler, floor type ... CBS type  
for wall mounting. Using modern coated, abrasive  
belt, these backstand idlers convert your grinding  
jacks into high production belt grinders and polish-  
ers. The PORTER-CABLE Belt Machining Method  
boosts output ... cuts cost ... reduces fatigue as  
the abrasive grain is fully exposed to cut ... and  
does so with less pressure by the operator ...  
saves polishing time, since abrasive belt is evenly  
loaded ... no deep scratches to polish out.



**BBS** A bench belt grinder that fills a need in every  
department of the shop ... receiving department ...  
machine shop ... assembling ... cleaning up jobs,  
deburring, removing fins, flash, risers, tool marks ...  
in the maintenance ... repairing. Used on non-ferrous  
and ferrous metals, glass, plastic, hard rubber, etc.

The abrasive belt, operat-  
ing on a resilient contact  
roll, grinds faster and  
smoother without the chat-  
ter of a hard wheel. The  
abrasive is fully exposed  
(without binder) to work  
efficiently with less hu-  
man effort and fatigue.  
The BBS is built for con-  
stant, heavy duty.



**B-6W** applies the advan-  
tages of the PORTER-CABLE Wet  
Belt Machining Method to curved  
and irregular surfaces, machines  
into otherwise inaccessible places.  
Scived abrasive belt on B-6 fol-  
lows and finish grinds intricate  
patterns. Various shaped platens  
form the abrasive belt to fit  
shapes of jobs.

## WG-4 & G-4

For production runs on small parts to be  
machined flat, square, tapered, machining  
to shoulder, generating radii, and for the  
countless number of jobs in any shop or  
plant, — deburring, removing flash, fins or  
risers, removing cutter and  
tool marks after the auto-  
matics, band and hack saw,  
miller, shaper, lathe, etc. ...  
grinds carbide tipped tools  
at considerable savings.  
The WG-4 is equipped with  
a resilient contact roll, "digs"  
in and removes stock more  
rapidly.  
The low cost of these models  
suggests plant-wide adaption,  
saves hand work, handling,  
wasted steps.



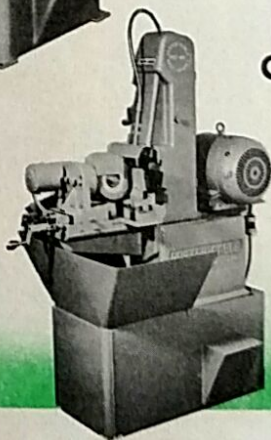
## B-3

An adjustable  
position Dry-Belt  
Surfer with a 10"  
belt that handles work that  
would require a 30"  
disc by the old method. For tool  
rooms, pattern shops and  
production work.



## L-4 Porter-Cable Centerless Grinder

Quick set-up, simplicity, low  
price and operating ex-  
pense of the L-4 brings cen-  
terless grinding facilities to  
shops where length of runs  
or volume would not justify  
heretofore.

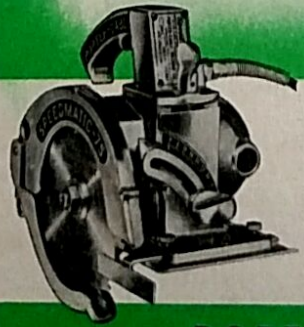


## TAKE-ABOUT SANDER

FASTER than 10 pairs  
of hands

## SPEEDMATIC HAND SAW

The Saw that is oper-  
ated by ONE HAND



# PORTER-CABLE MACHINE COMPANY

658-BKM-CPO-5-47

Export Sales Dept. — 38 Pearl St., New York, N. Y.

Litho. in U.S.A.



# PORTER-CABLE "Wet-Belt" MACHINING METHOD

... produces outstanding results

... a high speed, precision method.

... an entire area is worked at once.

... interrupted areas machined flat and square, no dubbing.

... superior finish produced, quickly.

... heat eliminated by use of coolant; warping, distortion, discoloring, fracturing, chipping avoided.

... fast machining method as millions of grits or cutters on the abrasive belt remove millions of chips per minute.

Chips are small, cutting of each takes little pressure.

Pressure is in one direction. Therefore, very simple fixtures suffice.

... inexpensive, quick to set up, load and unload; from 55% to 75% of table time is saved.

... many operations can be done free hand; no jig cast, set-up, loading and unloading.

... consequently, manufacturers with small lots can more successfully compete with those having long runs.

The ease of holding jobs simplifies machining one piece lots, as in pattern, tool or die shops, or in maintenance and repair.

... additional economies; many operations are done efficiently (machining flat, parallel, taper, irregular shapes, square, generating radii, etc.) on one PORTER-CABLE Surfacter.

Allowance of  $\frac{1}{4}$ " to  $\frac{1}{2}$ " only required for machining; save material and operating time.

Investigate the PORTER-CABLE Wet Belt Machining Method. . . . for ferrous, non-ferrous metals, plastics, glass, ceramics, etc.

## BG-8 Porter-Cable Wet Belt Surfacter

... makes available all advantages of the PORTER-CABLE Wet Belt Machining Method. . . . Heavy to Anvil Shop. . . . rigid support. Hydraulic Control Feed. . . . Tools for speed and precision.

Since Wet Belt Machining needs only simple fixtures. . . . jobs are quickly set up. . . . and fixtures loaded and unloaded so rapidly, BG-8s are found in the production line of most manufacturers.

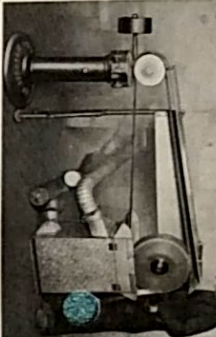
Low cost of fixtures, simplicity and quick set-up enables the small manufacturer, with comparatively short runs, using PORTER-CABLE BG-8s, to compete profitably with larger competitors.

In the Tool Room. . . . Pattern Shop. . . . Maintenance and Repair Shop. . . . In the Jobbing Machine Shop, the BG-8 is a proven money maker.

BBS A bench belt grinder that fills a need in every department of the shop. . . . receiving department. . . . machine shop. . . . assembling. . . . cleaning up jobs. . . . deburring, removing fins, flash, risers, tool marks. . . . in the maintenance. . . . repairing. . . . hard rubber, etc.

In the abrasive belt, control roll, spindle, leather roll, spindle, leather roll, spindle, leather roll of a hand wheel. The abrasive is fully exposed (without binder) to work efficiently with less human effort and fatigue.

The BBS is built for constant, heavy duty.



For production runs on small parts to be machined flat, square, tapered, machining to shoulder, generating radii, and for the countless number of jobs in any shop or plant—deburring, removing flash, fins or burrs—correcting, removing tool marks, tool marks, etc. . . . the outer metal, hand and back saw, miller, shaper, lathe, etc. . . . grinds carbide tipped tools of considerable savings.

The WC-4 is equipped with a resilient contact roll, "digs" in and removes stock more rapidly.

The low cost of these models suggests plant-wide adoption, saves hand work, handling, wasted steps.

FASTER than 10 pairs of hands

TAKE ABOUT SPEEDMATIC HAND SAW

The Saw that is operated by ONE HAND



ABS Backstand Idler, floor type. . . . CBS type for wall mounting. Using modern coated, abrasive belt, these backstand idlers convert your grinding jacks into high production belt grinders and polishers. The PORTER-CABLE Belt Machining Method boosts output. . . . cuts cost. . . . reduces fatigue as the abrasive grain is fully exposed to cut. . . . and does so with less pressure by the operator. . . . saves polishing time, since abrasive belt is evenly loaded. . . . no deep scratches to polish out.

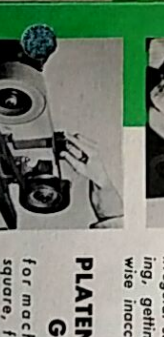
B-6W applies the advanced of the PORTER-CABLE Wet Belt Machining Method to curved and irregular shapes. . . . into off-hands. Incredibly precise. Scribed abrasive belt on B-6 follows and finish grinds intricate patterns. Various shaped platen from the abrasive belt to fit shapes of jobs.

An adjustable position Dry-Belt Surfacter with a 10" belt that handles work that would require a 30" disc by the old method; for tool rooms, pattern shops and production work.

B-3

L-4 Porter-Cable Centerless Grinder

Quick set-up, simplicity, low price and operating expenses of the L-4 brings centerless grinding facilities to shops where length of runs or volume would not justify headsets.



# Handy Grinders by Porter-Cable

2 models

Model CN-2

Model N-2

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FLEXIBLE GRINDING

PLATEN GRINDING

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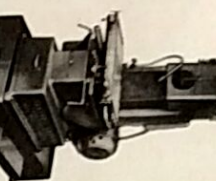
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FASTER than 10 pairs of hands

TAKE ABOUT SPEEDMATIC HAND SAW

The Saw that is operated by ONE HAND



ABS Backstand Idler, floor type. . . . CBS type for wall mounting. Using modern coated, abrasive belt, these backstand idlers convert your grinding jacks into high production belt grinders and polishers. The PORTER-CABLE Belt Machining Method boosts output. . . . cuts cost. . . . reduces fatigue as the abrasive grain is fully exposed to cut. . . . and does so with less pressure by the operator. . . . saves polishing time, since abrasive belt is evenly loaded. . . . no deep scratches to polish out.

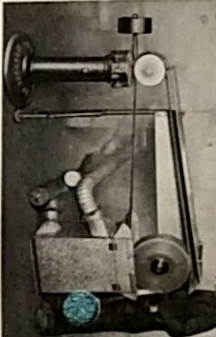
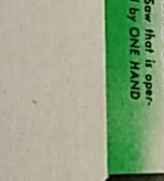
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An adjustable position Dry-Belt Surfacter with a 10" belt that handles work that would require a 30" disc by the old method; for tool rooms, pattern shops and production work.

B-3

L-4 Porter-Cable Centerless Grinder

Quick set-up, simplicity, low price and operating expenses of the L-4 brings centerless grinding facilities to shops where length of runs or volume would not justify headsets.



For production runs on small parts to be machined flat, square, tapered, machining to shoulder, generating radii, and for the countless number of jobs in any shop or plant—deburring, removing flash, fins or burrs—correcting, removing tool marks, tool marks, etc. . . . the outer metal, hand and back saw, miller, shaper, lathe, etc. . . . grinds carbide tipped tools of considerable savings.

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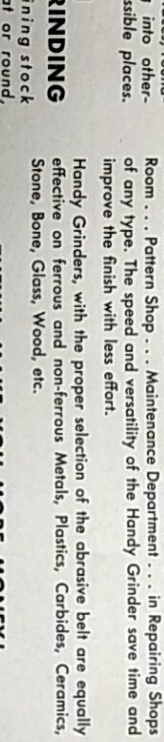
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FASTER than 10 pairs of hands

TAKE ABOUT SPEEDMATIC HAND SAW

The Saw that is operated by ONE HAND



PORTER-CABLE MACHINE COMPANY  
Syracuse 8, N. Y.  
Export Sales Dept.—38 Pearl St., New York, N. Y.

Litho. in U.S.A.

PORTER-CABLE MACHINE CO. (Syracuse, N. Y.) Tool builders since 1906

... the PORTER-CABLE Abrasive Belt Grinder or Machining Method ... SPEEDS and IMPROVES THE FINISH of jobs with LESS EFFORT.

The abrasive belt is a FASTER cutting agent since the millions of abrasive grains are almost entirely exposed, with NO BINDER or filler to interfere with its full cutting capacity.

... the electro-coating process for applying the abrasive to the belt sets the heavy side of the grain on the belt ... the points or SHARP CORNERS UP and IN POSITION TO CUT most efficiently.

... therefore, you get more work done per minute with the HANDY "BELT" GRINDER.

... and since the circumference of the belt is greater, HEAT IS DISSIPATED ... the cooler job CUTS FASTER ... reduces DIS-COLORING, FUSING, CRACKING, CHECKING, etc.

CHATTER ELIMINATED: The resiliency of the Contact Roll over which the abrasive belt operates permits the work to "LAY INTO" THE BELT AND CONTACT ROLL ... the work isn't thrown off or resisted as with a hard wheel.

... on the PORTER-CABLE Handy Grinders it is easy for even INEXPERIENCED OPERATORS to speed jobs.

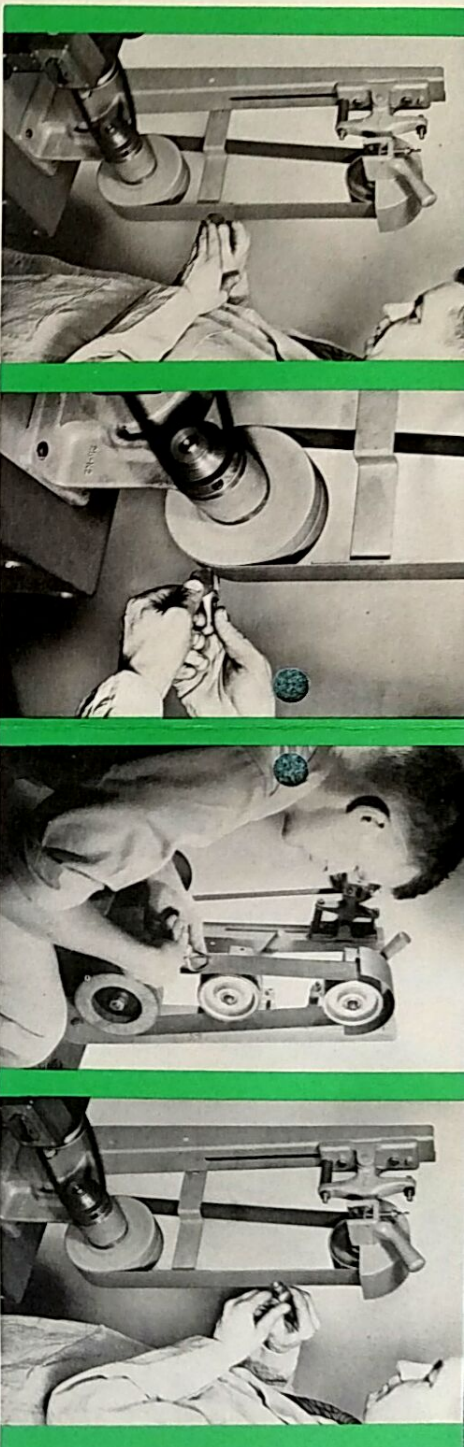
The abrasive belt and Contact Rolls are manufactured under closely controlled conditions ... the two are BALANCED, SMOOTH RUNNING units.

... this factor, along with the RESILIENCY of the Contact Roll, produces a SUPERIOR FINISH with NO EXTRA COST or EFFORT ... the finer the abrasive used, the smoother the finish.

The SUPERIOR FINISH produced by the BALANCED Unit often ELIMINATES OPERATIONS to obtain a desired finish.

... for instance, POLISHING TIME is MUCH REDUCED since the uniform sized grain evenly loaded on the belt cuts uniformly, leaving no deep scratches to polish out.

Since the abrasive is fully exposed for work and the Contact Roll permits it to cut at full efficiency, LESS EFFORT by the OPERATOR is required ... this further speeds jobs and where an operator works for hours at the Handy Grinder INCREASES OUTPUT by REDUCING FATIGUE.

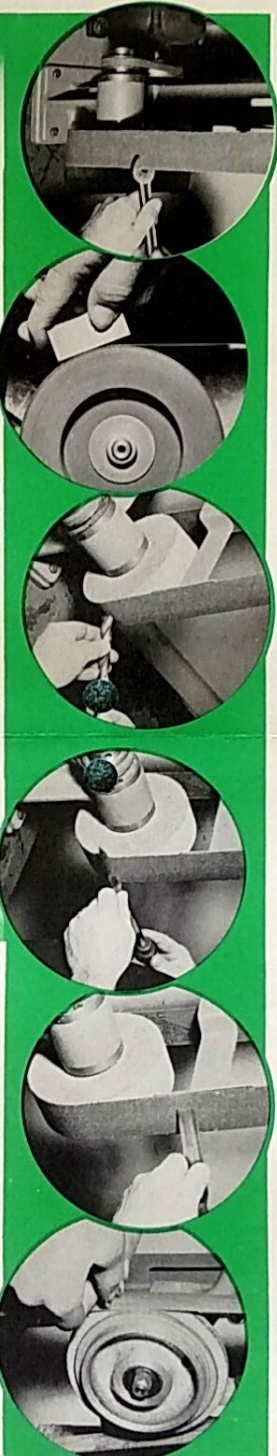


Using Platen on a CN-2 Handy Belt Grinder to clean up and square inside a fork-shaped piece. CN-2 Porter-Cable Handy Grinder.

Generating radii on abrasive belt operating on resilient contact roll ... smooth, chatterless, faster, on CN-2 shown or N-2 Porter-Cable Handy Grinder.

Using Formed Contact Roll to shape abrasive belt to expedite grinding of handles. 2 N-2 Porter-Cable Handy Grinders shown.

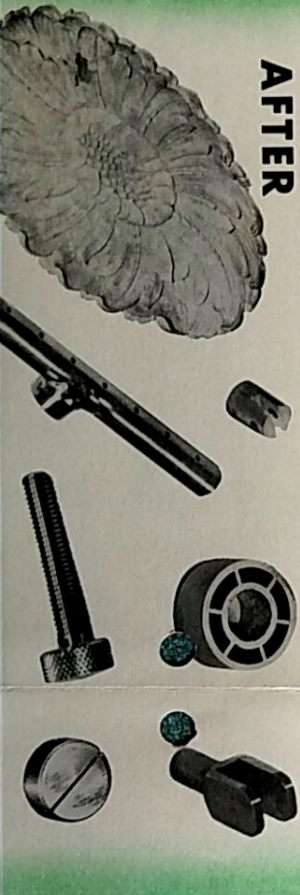
Using "free" belt for grinding, polishing, removing tool marks, burrs, etc. ... to follow contours, get into otherwise inaccessible places ... machines up to shoulders, into corners, grooves, etc., on CN-2 (shown) or N-2 Porter-Cable Handy Grinder.



## BEFORE



## AFTER



## SPECIFICATIONS

	CN-2	N-2
Height overall	27"	27"
Width frame	2 1/2"	2 1/2"
Base	5" x 7"	5" x 7"
Platen	2" x 4"	2" x 4"
Idle Pulley	4" dia. x 2	4" dia. x 2
Contact Roll	6" x 1 6" x 2	6" x 1 6" x 2
Contact Roll Arbor	3/8" dia.	3/8" dia.
Assembly Base for CN-2 and motor	19 x 10 1/2 x 3 1/4	18 1/2 x 13 1/4 x 1
Assembly Base for N-2, and Grinder		
Motor recommended, minimum	1/2 HP	1/2 HP
Motor recommended, minimum	3 1/4 dia.	3 1/4 dia.
Drive V Pulley	2 1/2"	2 1/2"
Driven V Pulley	2 1/2"	2 1/2"
Net Weight:		
With Motor and Contact Roll	42 lbs.	42 lbs.
Shipping Weight:	100 lbs.	100 lbs.
With Motor and Contact Roll	35 lbs.	35 lbs.
Less Motor and Contact Roll	19 lbs.	19 lbs.

**STANDARD EQUIPMENT** — CN-2 complete with Assembly Base as illustrated on front cover and 1 extra abrasive belt but less Contact Roll, Motor, Motor V Pulley and V Belt. N-2, as illustrated on cover, and 1 extra abrasive belt but less Contact Roll. **EXTRA EQUIPMENT:** Contact Rolls, 1" x 6, 2" x 6; 1 1/2" x 6; Formed Contact Roll, Bearing and Mounting Assembly. Drive Unit for CN-2, 1/2 HP (110-60-1), or 220-60-3; Motor, Motor V Pulley, and V Belt and V Belt Guard.

... these HANDY GRINDERS get more done per hour.

Work is not done directly on the Contact Roll but on the Abrasive Belt; therefore, the CONTACT ROLL REMAINS FLAT, SQUARE and UNIFORM ... the DIAMETER remains CONSTANT.

... the operator DOES NOT STOP TO SQUARE UP or CHANGE the abrasive unit to grind square, flat, into corners or up to shoulders.

TO CHANGE BELTS, for instance, coarse to fine, release tension, slip off one and on with the other, DONE IN A FEW SECONDS.

... the INVESTMENT for a stock of abrasives of a wide variety of grit sizes is COMPARATIVELY LOW.

Operating with a belt is SAFE; the belt simply drops off, should it break.

Handy Grinders INCREASE the number of OPERATIONS DONE BY MACHINE.

Operations are not confined to what a wheel will do. Instead, the improved method of CONTACT WHEEL GRINDING speeds a superior job.

... PLATEN GRINDING HANDLES MANY ADDITIONAL OPERATIONS: machining square, flat and rounds, knocking off corners, working squarely into grooves or corners, etc.

... and with the FREE ABRASIVE BELT on operator GRINDS or POLISHES IRREGULAR SURFACES, follows contours, pencils, machines into otherwise inaccessible places, and with a belt scribed on the edge, FOLLOWS INTRICATE PATTERNS or shapes.

... several operations are done on one job, i.e.: GRINDING TO SIZE on the Contact Roll, SQUARING UP on the Platen, and machining any irregular inside sections.

The PORTER-CABLE HANDY GRINDERS will quickly prove money makers ... they will ELIMINATE MANY HAND OPERATIONS, SAVE STEPS and MUCH HANDLING.

... these INEXPENSIVE machines should be HANDY ... AT THE ELBOWS of your men TO MAKE MONEY FOR YOU.