

*"for Accurate Work — Use a Burke"*

# **BURKE BENCH MILLERS AND ACCESSORIES**

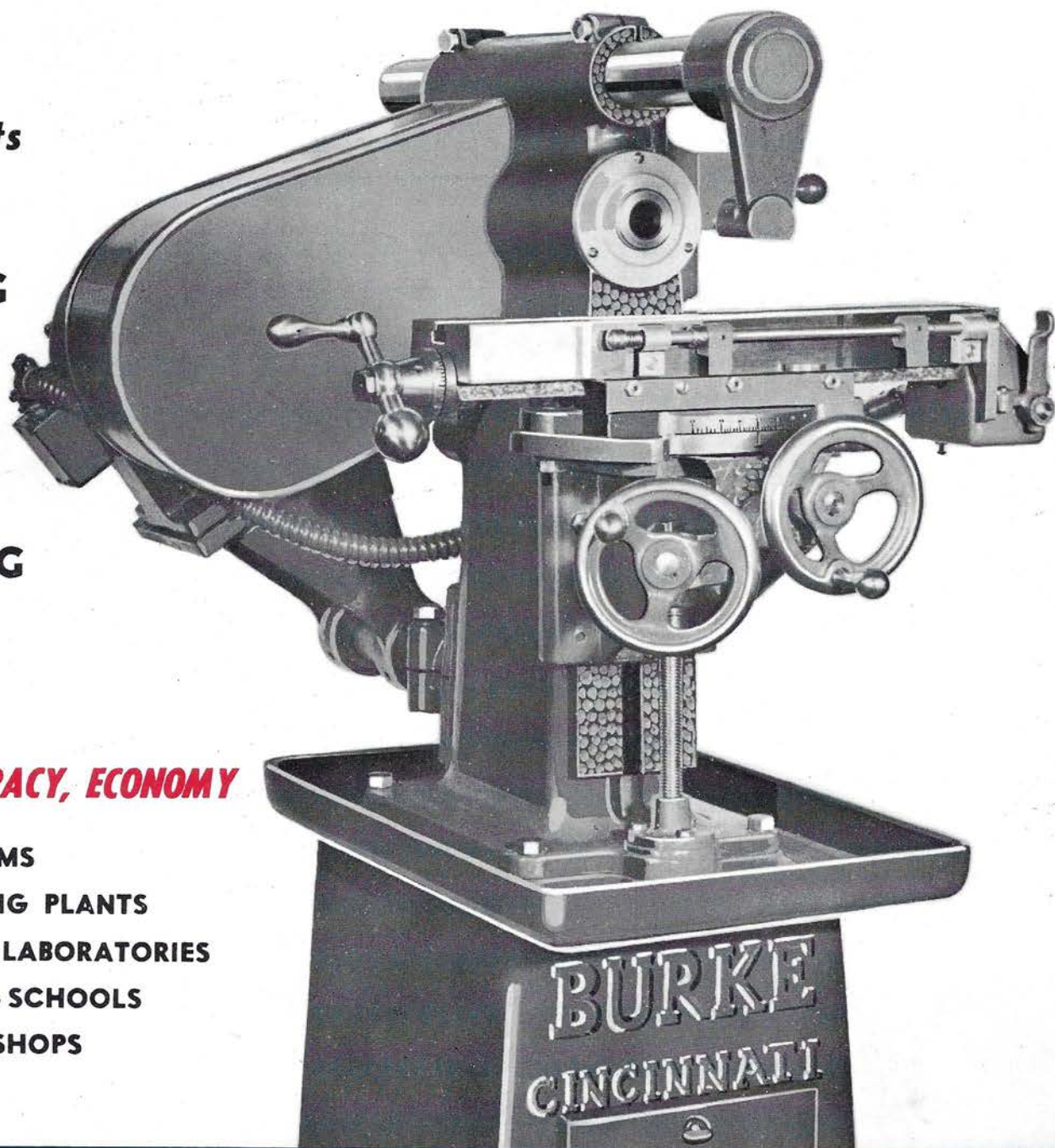
*—for  
Small Parts*

- **MILLING**
- **DRILLING**
- **SAWING**
- **BORING**
- **FACING**
- **SLOTING**

*offering*

***SPEED, ACCURACY, ECONOMY***

TO TOOL ROOMS  
MANUFACTURING PLANTS  
EXPERIMENTAL LABORATORIES  
UNIVERSITIES — SCHOOLS  
HOME HOBBY SHOPS



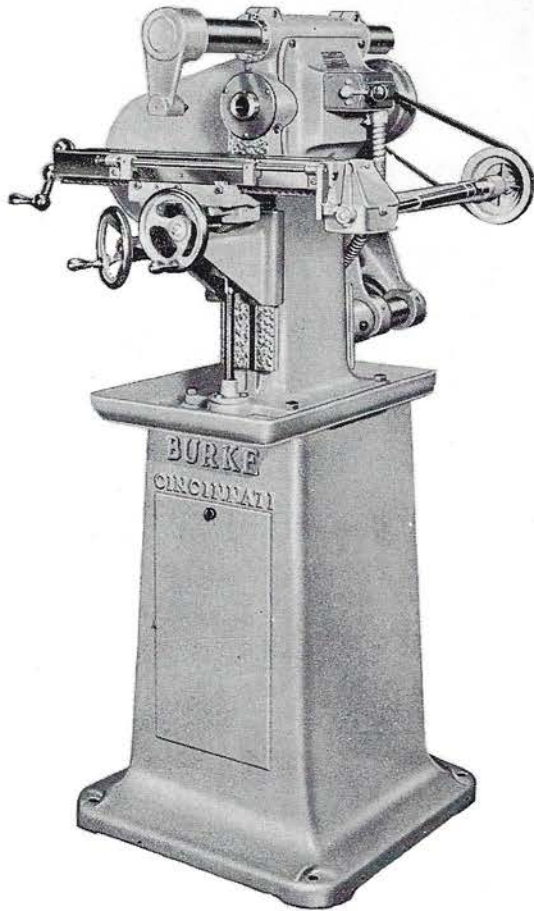
**The U.S. - BURKE MACHINE TOOL DIV.**  
**CINNATI MANUFACTURING CORPORATION**

BROTHERTON ROAD

CINNATI 27, OHIO



# TWO POWER FEED MODELS



**No. 4 BURKE MILLER**

No. 9 Brown and Sharpe taper spindle — heat-treated and ground. Timken bearing equipped. Screw feed for longitudinal, traverse and vertical movements — Longitudinal feed 8"; Traverse feed 3"; working surface of table 3  $\frac{3}{4}$ " x 16". Vertical feed 8". Maximum distance between center of spindle and table 8". Width of T-slot  $\frac{1}{2}$ ". Drive: direct from 3 step motor cone by V belt to spindle cone. Motor:  $\frac{1}{2}$  HP standard or gearhead motor or  $\frac{3}{4}$  HP Lima motor. Spindle speeds: 3 with standard or gearhead motors; 12 with Lima motors. Range of speeds: 66 RPMs to 2875 RPMs, depending on motor. (See price list.) Special table 3  $\frac{3}{4}$ " x 20" optional. Approximate weight crated 450 lbs.



**No. 4 BURKE UNIVERSAL MILLER**

No. 9 Brown and Sharpe taper spindle — heat-treated and ground. Timken bearing equipped. Longitudinal feed 10". Screw feed for longitudinal, traverse, and vertical movements — traverse feed 2"; vertical feed 7"; working surface of table 3  $\frac{3}{4}$ " x 20". Maximum distance between center of spindle and table 7"; Universal table swings 30 degrees in either direction. Width of T-slot  $\frac{1}{2}$ ". Drive: direct from 3 step motor cone by V belt to spindle cone. Motor:  $\frac{1}{2}$  HP standard or gearhead motor or  $\frac{3}{4}$  HP Lima motor. Spindle speeds: 3 with standard or gearhead motors; 12 with Lima motors. Range of speeds: 66 RPMs to 2875 RPMs, depending on motor. (See price list.) Approximate weight crated 500 lbs.

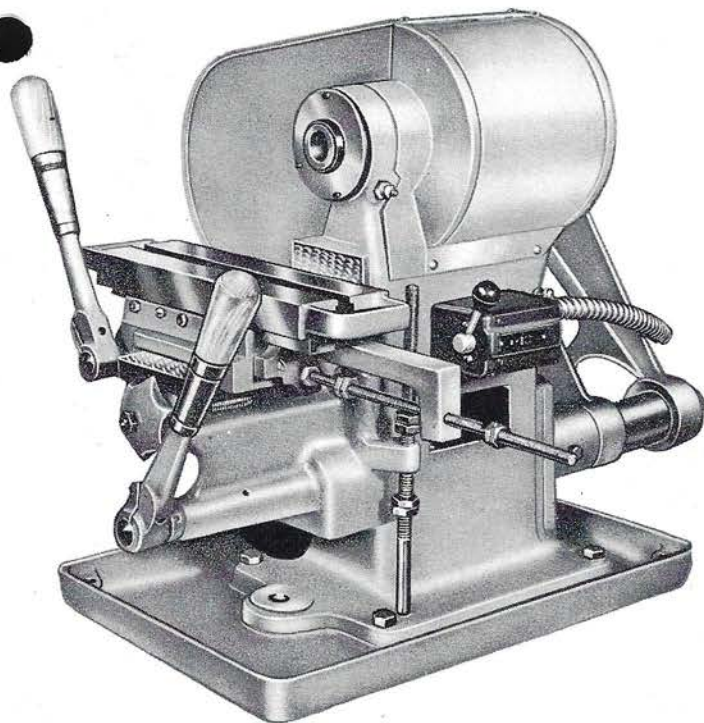
**ALL BURKE MILLERS ARE TIME PROVED  
BY MOST EXACTING MANUFACTURERS — TOOL MAKERS  
DESIGNERS — SCHOOLS and HOME CRAFTSMEN**

Burke Bench Millers have a long established reputation for dependability, long life and accurate production under every known condition in which a small milling machine can be used. Every element has been thoroughly tested. Burke offers experience instead of experimentation in producing small power tools. Many thousands of exacting craftsmen have learned by experience that —

**"for Accurate Work — Use a Burke"**

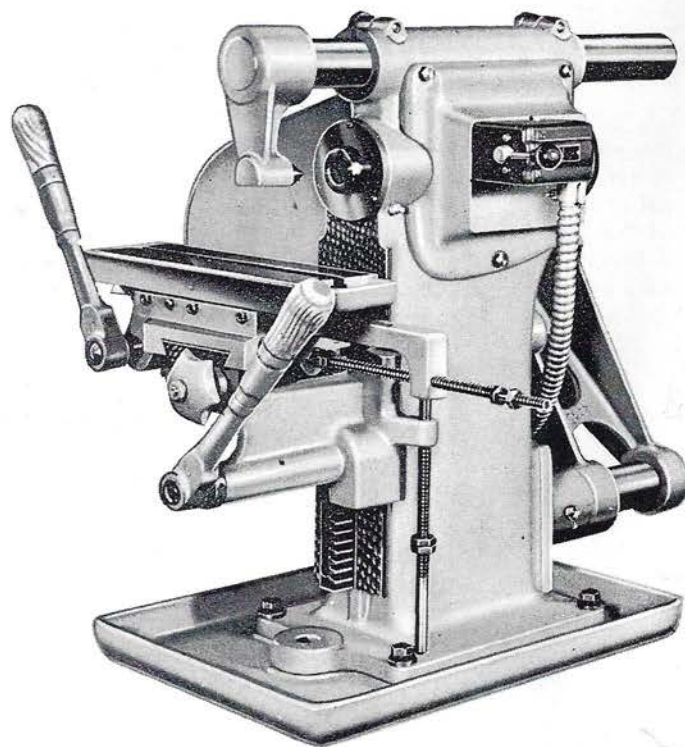


# TWO HAND FEED MODELS



## No. 1 BURKE MILLER

No. 9 Brown and Sharpe taper spindle — heat-treated and ground. Timken bearing equipped. Rack and pinion longitudinal feed — longitudinal feed 8"; traverse feed  $3\frac{3}{8}$ ". Vertical feed —  $4\frac{1}{2}$ ". Maximum distance between center of spindle and table  $5\frac{1}{4}$ ". Width of T-slot  $\frac{1}{2}$ ". Drive: direct from 3 step motor cone by V belt to spindle cone. Motor:  $\frac{1}{2}$  HP standard or gearhead motor or  $\frac{3}{4}$  HP Lima motor. Spindle speeds: 3 with standard or gearhead motors; 12 with Lima motors. Range of speeds: 66 RPMs to 2875 RPMs, depending on motor. (See price list.) \*Special table with working surface  $3\frac{3}{4}$ " x 16" optional. Approximate weight crated 350 lbs.



## No. 3 BURKE MILLER

No. 9 Brown and Sharpe taper spindle — heat-treated and ground. Timken bearing equipped. Rack and pinion longitudinal feed — longitudinal feed 8"; traverse feed  $3\frac{3}{8}$ ". Vertical feed  $7\frac{1}{2}$ ". Maximum distance between center of spindle and table —  $7\frac{1}{2}$ ". Width of T-slot  $\frac{1}{2}$ ". Drive: direct from 3 step motor cone by V belt to spindle cone. Motor:  $\frac{1}{2}$  HP standard or gearhead motor or  $\frac{3}{4}$  HP Lima motor. Spindle speeds: 3 with standard or gearhead motors; 12 with Lima motors. Range of speeds: 66 RPMs to 2875 RPMs, depending on motor. (See price list.) \*Special table with working surface  $3\frac{3}{4}$ " x 16" optional. Approximate weight crated 400 lbs.

*Packing required for export shipments increases shipping weight approximately 50 lbs. per unit.*

## STANDARD BURKE PEDESTALS FIT ALL MILLERS SHOWN IN FOLDER

The pictured cabinet column is 28 inches high, and weighs over 200 lbs. It is made of cast iron and is designed to accommodate all current model Burke Bench Millers. Because of its convenient height, ample size, and heavy construction, it has been found to be among the most popular and satisfactory Burke accessories.

See Other Burke Accessories  
on the Next Page.

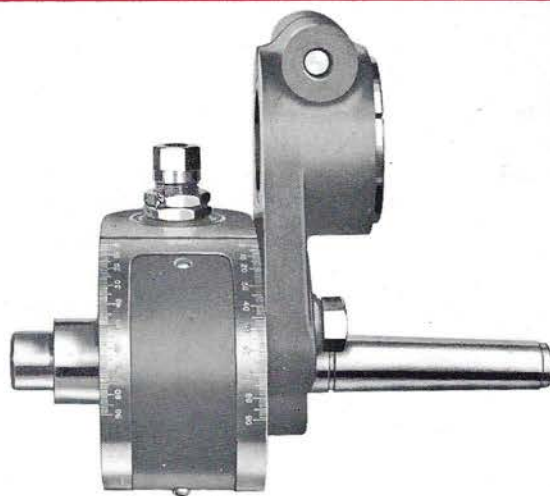




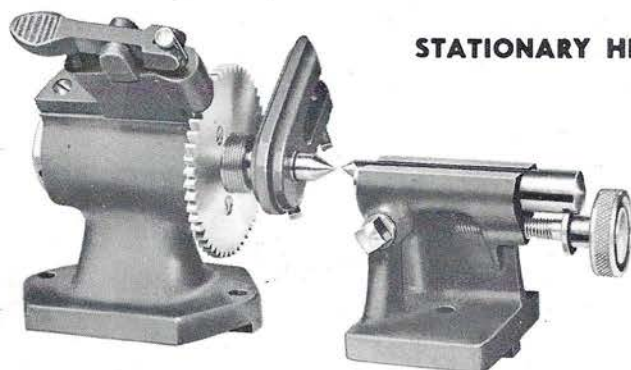
# BURKE BENCH MILLER ATTACHMENTS

## VERTICAL MILLING ATTACHMENT

Designed specifically for use on the No. 3 and No. 4 Burke Millers. It is equipped with a ball bearing spindle and draw-in collet having a maximum capacity of  $\frac{1}{2}$ -inch round. The face of the attachment is graduated and will swivel 90 degrees. 2 helical gears, one bronze and one steel, assure silent, durable operation. Speed of vertical attachment spindle is slightly less than twice that of milling machine spindle. Weight 20 lbs.



## INDEXING CENTERS



STATIONARY HEAD

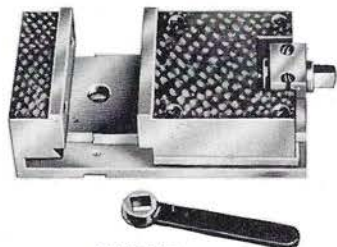


TILTING HEAD

Especially designed for the rapid production and indexing of light work of any kind. (Will swing six inches, for Burke Nos. 1, 3, 4 and 4 Universal Milling Machines.) The spindle is threaded for face plate or chuck, inside Taper No. 7, Brown and Sharpe. One Dial Plate of 48 divisions furnished with each head unless otherwise ordered. Index plates can be furnished to meet your requirements. Also draw-in collet attachments. See price list.

**NEW 6" DIVIDING HEAD NOW AVAILABLE**

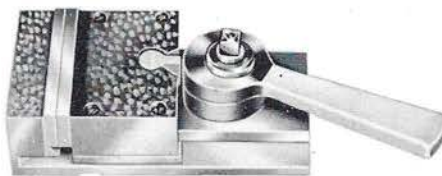
## VICES FOR BURKE MILLERS AND OTHER SMALL MACHINE TOOLS



**BURKE  
PLAIN VISE**

*(hand scraped, standard design)*

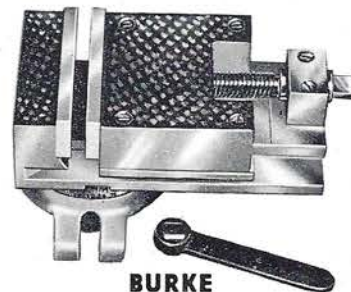
Jaws  $3\frac{1}{2}$ " x  $1\frac{1}{8}$ ". Opens to 2" wide. Acme thread screw. 11 lbs.



**BURKE  
QUICK OPENING VISE**

*(hand scraped, standard design)*

Jaws  $3\frac{1}{2}$ " x  $1\frac{1}{8}$ ". Opens to 2" wide. Adjustable slide. 11 lbs.



**BURKE  
GRADUATED SWIVEL VISE**

*(hand scraped, standard design)*

Jaws  $3\frac{1}{2}$ " x  $1\frac{1}{8}$ ". Opens to 2" wide. Acme thread screw. 16 lbs.

Litho in U. S. A.

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