

**TECHNICAL MANUAL
OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE MANUAL
INCLUDING REPAIR PARTS LIST
FOR
LATHE, ENGINE
MODEL B-40
(MC ILVANIE MACHINE WORKS)
(NSN 3416-00-725-3508)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

MAY 1981

Technical Manual
No. 9-3416-240-14&P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 22 May 1981

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), direct to: Commander, US Army Armament Materiel Readiness Command, ATTN: DRSAR-MAS, Rock bland, IL 61299. A reply will be furnished directly to you.

NOTE

This manual is published for the purpose of identifying an authorized commercial manual for the use of the personnel to whom this engine lathe is issued.

Manufactured by: McIlvanie Machine Works
12 S. 6th Avenue
Yakima, WA 98907

Procured under Contract No. DAAA09-76-C-6250

This technical manual is an authentication of the manufacturers' commercial literature and does not conform with the format and content specified in AR 310-3, Military Publications. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

**INSTRUCTIONS FOR REQUISITIONING PARTS
NOT IDENTIFIED BY NSN**

When requisitioning parts not identified by National Stock Number, it is mandatory that the following information be furnished the supply officer.

- 1 - Manufacturer's Federal Supply Code Number - 82016
- 2 - Manufacturer's Part Number exactly as listed herein.
- 3 - Nomenclature exactly as listed herein, including dimensions, if necessary.
- 4 - Manufacturer's Model Number - B-40
- 5 - Manufacturer's Serial Number (End Item)
- 6 - Any other information such as Type, Frame Number, and Electrical Characteristics, if applicable.
- 7 - If DD Form 1348 is used, fill in all blocks except 4, 5, 6, and Remarks field in accordance with AR 725-50.

Complete Form as Follows:

- (a) In blocks 4, 5, 6, list manufacturer's Federal Supply Code Number - 82016 followed by a colon and manufacturer's Part Number for the repair part.

- (b) Complete Remarks field as follows:
Noun: (nomenclature of repair part)
For: MSN: 3416-00-725-3508
Manufacturer: McIlvanie Machine Works

Model: B-40
Serial: (of end item)

Any other pertinent information such as Frame Number, Type. Dimensions, etc.

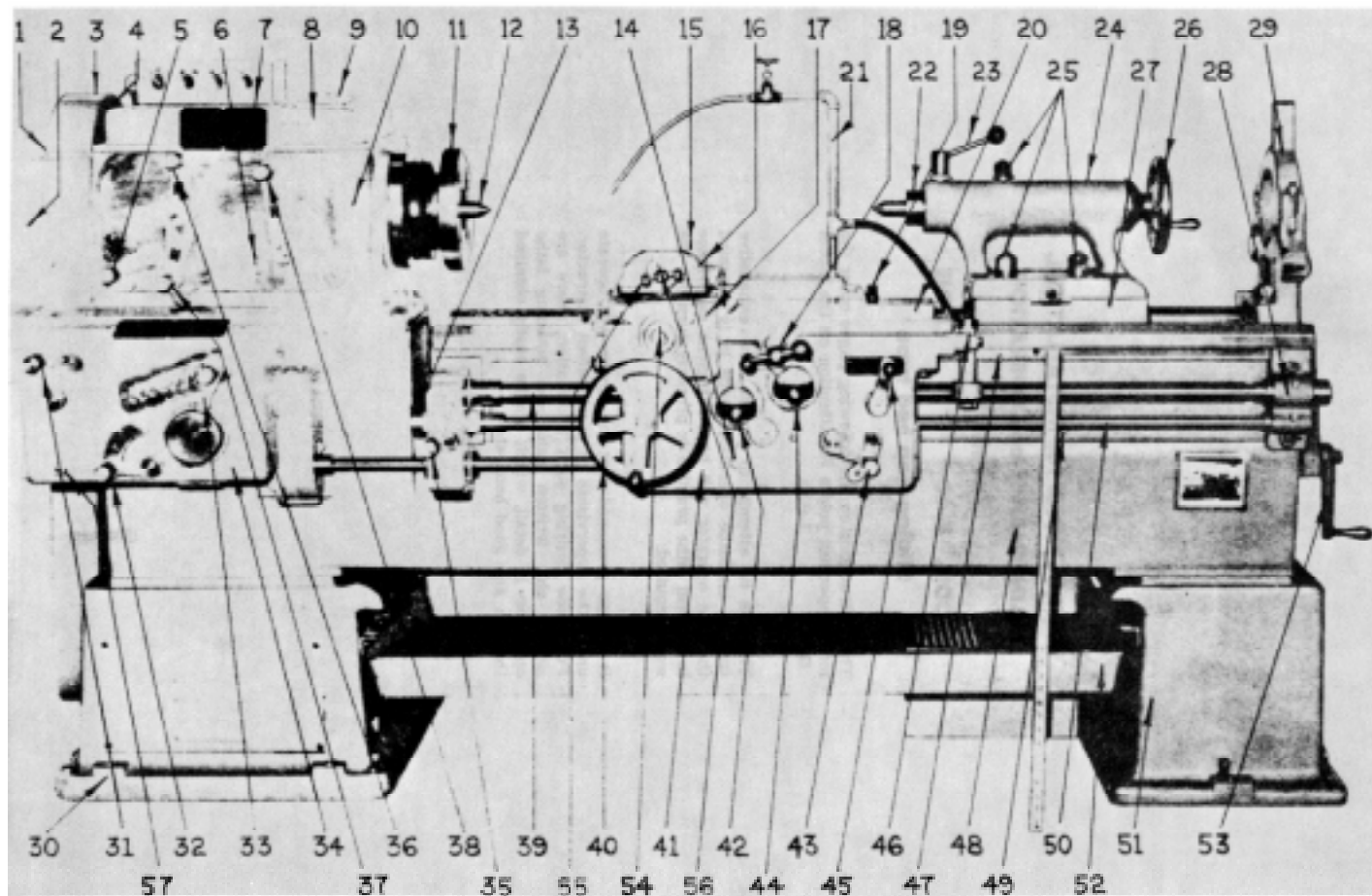
PART I

INSTRUCTIONS for INSTALLATION, MAINTENANCE and OPERATION of the MODEL B-40 LATHE Sliding gap bed type

The instructions on the following pages cover the most Important points for attention on the Model B40 Lathe.

There is no attempt to provide an exhaustive treatise on lathe operation, since it is assumed that the operator will have sufficient experience in general lathe practice to properly turn out the work required.

It is also presumed that the novice will operate under the supervision of a competent instructor. For those desiring such information, there are several ably written handbooks covering lathe operation in detail, which can be easily obtained through any good book store.



LATHE CHART MDL-R-40 G.B.

FIGURE 1