

**TECHNICAL MANUAL**

**OPERATOR'S, ORGANIZATIONAL, DIRECT  
SUPPORT AND GENERAL SUPPORT MAINTENANCE  
MANUAL INCLUDING REPAIR PARTS LIST**

**FOR  
AGITATOR, PAINT  
MODEL 6  
(GRENIER & COMPANY,  
INCORPORATED)  
(NSN 4940-00-251-6475)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**DECEMBER 1980**

Technical Manual

No. 9-4940-516-14&P

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington, DC, 31 December 1980

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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), or DA Form 2028-2, located in the back of this manual direct to: Commander, US Army Armament Materiel Readiness Command, ATTN: DRSAR-MAS, Rock Island, 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 paint agitator is issued.**

Manufactured by: GRENIER & COMPANY INCORPORATED  
5630 Pleasant Blvd.  
Chicago Ridge, IL 60415

Procured under Contract No. DAAA09-78-C-4536

This technical manual is an authentication of the manufacturer's 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 - 90399
- 2 - Manufacturer's Part Number exactly as listed herein.
- 3 - Nomenclature exactly as listed herein, including dimensions, if necessary.
- 4 - Manufacturer's Model Number - Model 6
- 5 - Manufacturer's Serial Number (End Item)
- 6 - Any other information such as Type, Frame Number, and Electrical Characteristics, if applicable.
- 7 - If 00 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 - 90399 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: NSN: 4940-00-251-6475  
Manufacturer: Grenier & Company Incorporated  
  
Model: 6  
Serial: (of end item)

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

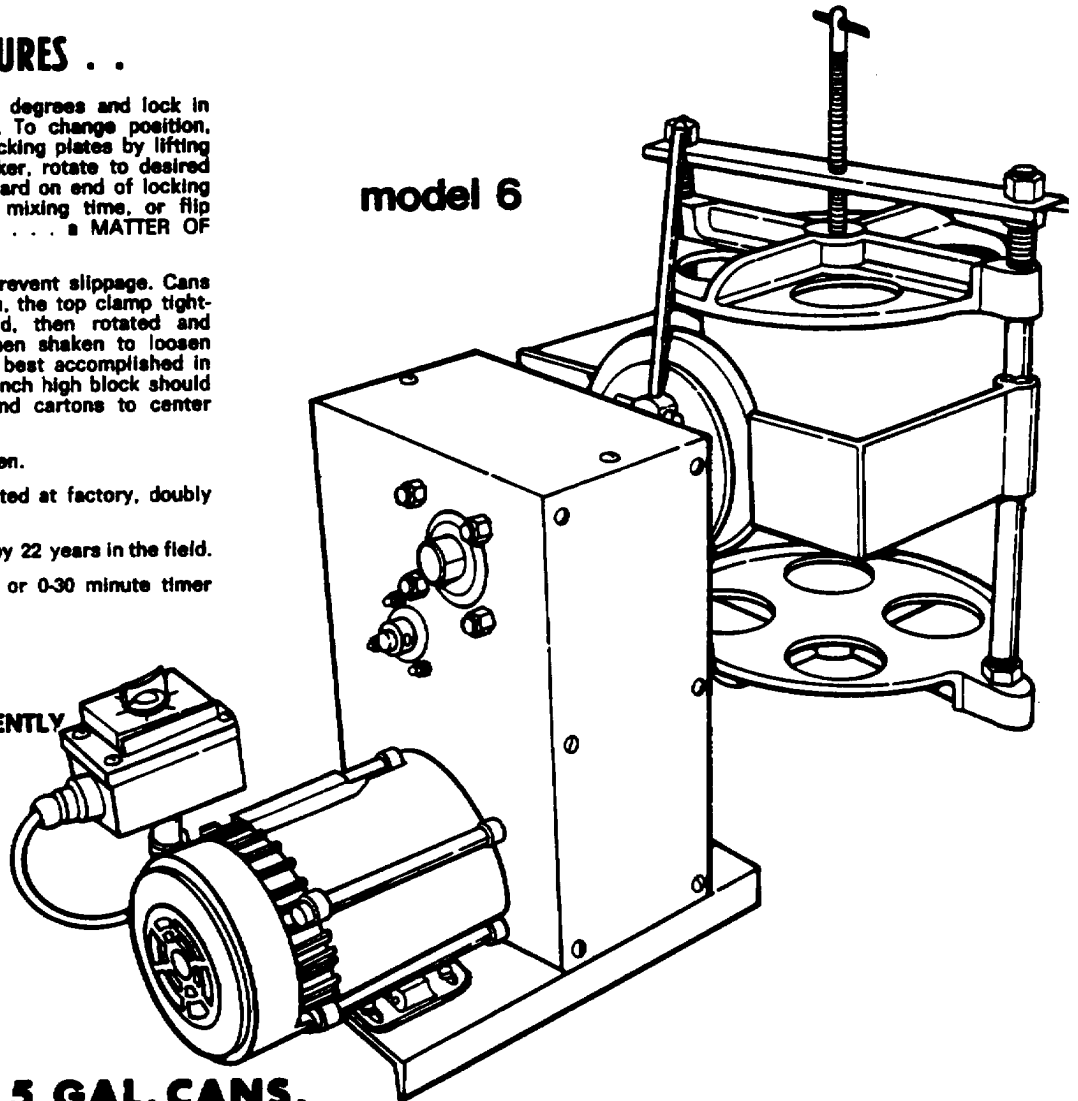
# PAIN T SHAKER

## 1 to 5 - GALLON CAPACITY

### NOTE THESE FEATURES . .

- Can holder will rotate through 360 degrees and lock in any position for shaking operation. To change position, release pressure of friction type locking plates by lifting end of locking lever at top of shaker, rotate to desired position, re-lock by pressing downward on end of locking lever, and set timer for required mixing time, or flip switch for manual model (shown) . . . a MATTER OF SECONDS.
- Bottom end clamp is recessed to prevent slippage. Cans should be loaded in upright position, the top clamp tightened using screw handle provided, then rotated and locked in upside down position, then shaken to loosen sedimented pigment. The mixing is best accomplished in a nearly horizontal position. A four inch high block should be used under one gallon cans and cartons to center the load.
- Positive action clamp will not loosen.
- Ball bearings throughout, prelubricated at factory, doubly sealed—no maintenance.
- Eccentric drive mechanism proven by 22 years in the field.
- ▶ Explosion proof motor and switch, or 0-30 minute timer optional.

**WHAT IS MORE—  
IT WILL MIX PAINT—EFFICIENTLY**



### **WILL SHAKE:**

**1-GAL., 2-GAL., 5 GAL. CANS,  
OR A CARTON OF 4-  
1 GAL. CANS. . .**

- ↑ **RIGHT SIDE UP. . .**
- ↓ **UPSIDE DOWN, OR. . .**
- **HORIZONTALLY!**

Model 6 Paint Shaker, 1/3 HP, 115/230 volts, 60 Hz, 1 phase, totally enclosed motor, toggle switch, 10 ft. three wire cord, grounded plug.

Shipping weight, 300 lbs. Dimensions, 33"x19"x30" high

## INSTRUCTIONS

### Model 6 Paint Shaker

**INSTALLATION:** After removing from shipping container, this shaker should be mounted firmly on a solid floor or bench with suitable bolts, using all four of the mounting holes provided in the base. The motor and timer housing are explosion proof for Class I Group D locations and for use on 115 volts, 60 cycle, single phase current. Connection to the power source must be in accordance with the National Electrical Code for such locations.

**OPERATION:** The can holder can be rotated through 360 degrees and locked in a right side up, upside down or horizontal position. By pulling back the toggle clamp, the can may be rotated to the desired position; the toggle clamp is then closed, and the shaker is then ready to operate.

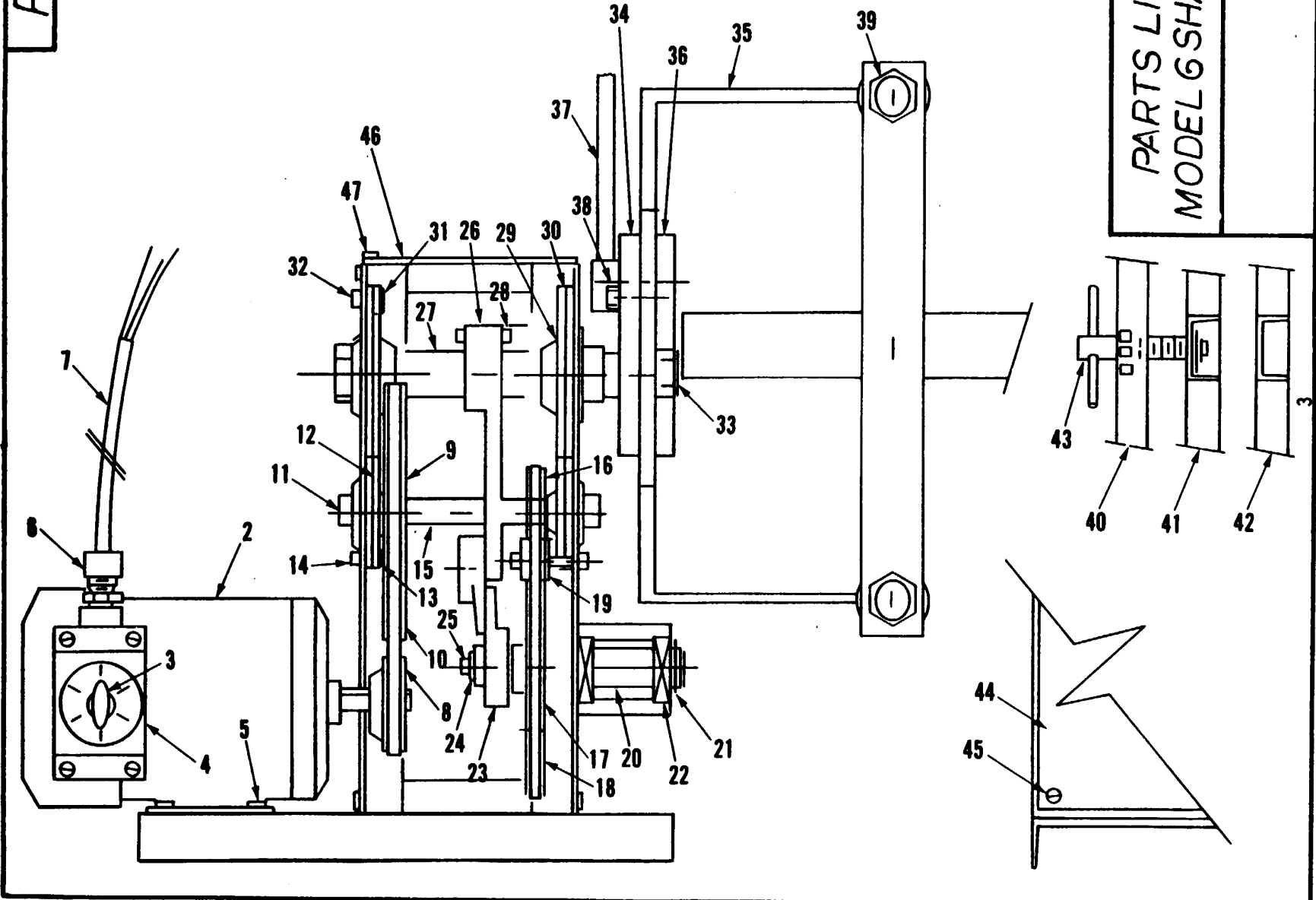
Single one, two, or five gallon cans of paint should be clamped tightly between the recessed end plates, in an upside down position. A carton of four one gallon cans: should be slid into the can holder from a side position, then rotated to an upside down position. The cans are then shaken until the sediment is dislodged from the bottom and broken up. Shaking is then continued in a horizontal position until mixing is complete.

The time required for complete dispersion depends upon the can size, formulation, and shelf time.

**MAINTENANCE:** Ball bearings are used throughout; they are all prelubricated and doubly sealed at The factory, requiring no attention for their full life. The motor is built for continuous duty and has a 55 degree C rise above ambient temperature. Under full load and at normal room temperature it will operate hot to the touch.

Nuts, bolts, and belt tension should be checked periodically.

P6



PARTS LIST  
MODEL 6 SHAKER

P6

Part #	Description	Pcs rqd
1	Frame	1
2	Motor, 1/3 HP, 1725 RPM, explosion proof, 56 frame, 115V, 60Hz, 1 ph	1
3	Timer, mechanical , spring actuated 0 to 30 minute range	1
4	Timer housing	1
5	Motor mounting bolt	4
6	Cord grip	1
7	Extension cord, Type SO, 16/3, 10 ft	1
8	Drive pulley, Rotor	1
9	Jack shaft drive pulley	1
10	Jack shaft drive belt	1
11	Jack shaft bearing	2
12	Jack shaft bearing flange	4
13	Carriage bolt	6
14	Locknut	6
15	Jack shaft	1
16	Jack shaft driven pulley	1
17	Eccentric belt	1
18	Eccentric pulley	1
19	Idler pulley	1
20	Eccentric shaft	1
21	Snap ring	1
22	Eccentric drive bearing	2
23	Eccentric driven bearing	2
24	Eccentric washer	1
25	Socket head calscREW	1
26	Drive arm	1
27	Output shaft	1
28	Capscrew	1
29	Output shaft bearing	2
30	Bearing flange	4
31	Carriage bolt	8
32	Locknut	8
33	Hexnut	1
34	Drive plate	1
35	Can holder	1
36	Clamp plate	1
37	Position lock	1
38	Clamp bolt	2
39	Hexnut	8
40	Cross bar	1
41	Upper clamp bar	1
42	Lower clamp bar	1
43	Clamp screw	1
44	Side cover	2
45	Screw	12
46	Top cover	1
47	Top cover screw	4

PARTS LIST  
MODEL 6 SHAKER

By Order of the Secretary of the Army:

Official:

J. C. PENNINGTON  
*Major General, United States Army*  
*The Adjutant General*

E. C. MEYER  
*General United States Army*  
*Chief of Staff*

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PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT... PIN-POINT WHERE IT IS

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PARA-GRAPH

FIGURE NO.

TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

DA FORM 2028-2 JUL 79

PREVIOUS EDITIONS ARE OBSOLETE.

P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

