

TM 9-1556

WAR DEPARTMENT TECHNICAL MANUAL

ORDNANCE MAINTENANCE

OBSERVATION TELESCOPES M48 AND M49

WAR DEPARTMENT

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Section I

INTRODUCTION

1. SCOPE.

a. This manual is published for the information and guidance of ordnance personnel. It contains detailed instructions for inspection, disassembly, reassembly, maintenance, and repair of the Observation Telescopes M48 and M49. These instructions are supplementary to those in Field and Technical Manuals prepared for this using arms. Additional descriptive matter and illustrations are included to aid in providing a more complete working knowledge of the materiel.

2. CHARACTERISTICS.

a. The telescopes discussed herein are used for observaaton by the cavalry and infantry. Their chief purpose is to assist in observing the effectiveness of artillery fire.

b. Both Telescopes M48 and M49 are basically the same, Each is an erect-image instrument, the image being erected by means of two porro prisms and magnified by the lenses in the eyepiece Both telescopes are the "prism-offset" type and are tubular in shape. The arrangement of the optical elements is the same in both Instruments.

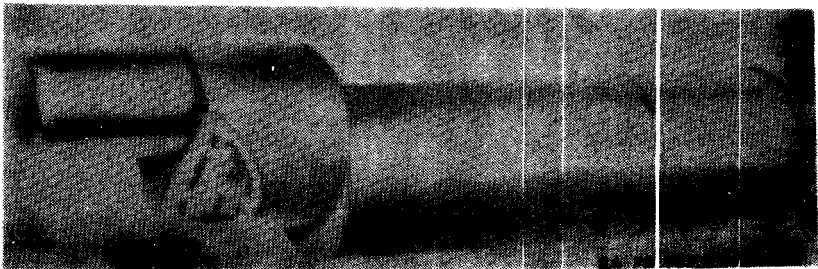


Figure 1-Observation Telescope M48

c. The equipment for each telescope includes a carrying case and a tripod with carrying case. Telescope M48 uses Carrying Case M26, and Tripod M14 with Carrying Case M31. Telescope M49 uses Carrying Case M27, and Tripod M15 with Carrying Case M42.

ORDNANCE MAINTENANCE-OBSERVATION TELESCOPES M48 AND M49



Figure 2 -Observation Telescope M49

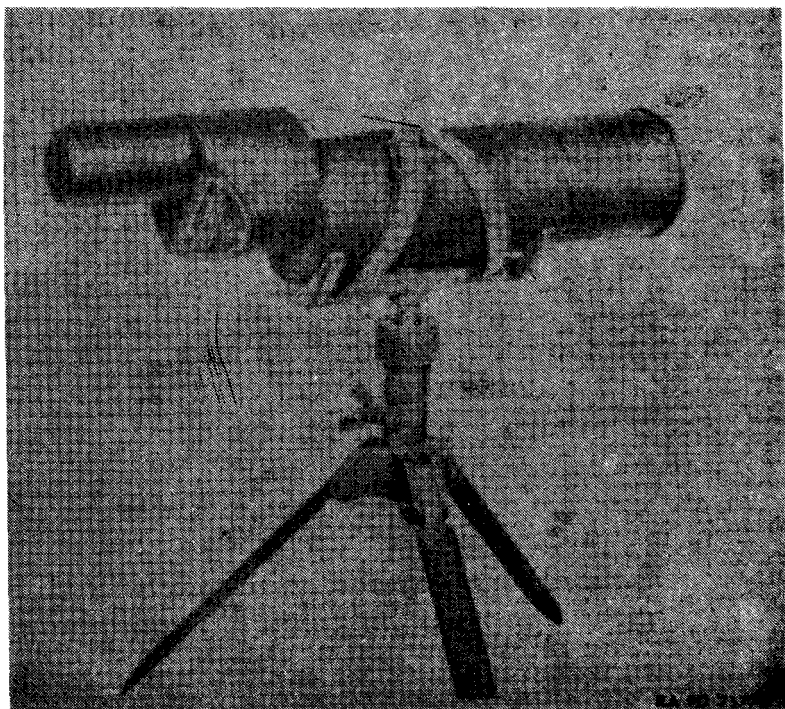


Figure 3 -Observation Telescope M48 and Tripod M14