

GENERAL NOTES:

Use 5-minute Epoxy to assemble the TRAILS and AXEL HOUSING. For the rest use either the Epoxy or cyanoacrylate (Super Glue).

Clean all mold marks from castings using a #11 or #12 hobby knife, small files and sandpaper.

Be careful not to make scratches across the wheel tires. If you intend to leave this area unpainted, polish the tires with steel wool and coat with clear lacquer.

In cleaning the castings, be careful not to destroy or damage the wood grain effect. If you inadvertently do so, you can re-establish the effect by drawing the edge of a file or riffler across the casting in the same direction as the existing wood grain.

Clear all holes with a sharp instrument or drill.

Note that left and right sides of the carriage are not the same.

The ELEVATING SCREW and HOUSING are a single fixed casting. Determine your desired display angle for the gun barrel and trim the screw if necessary before attaching the ELEVATING HANDLE.

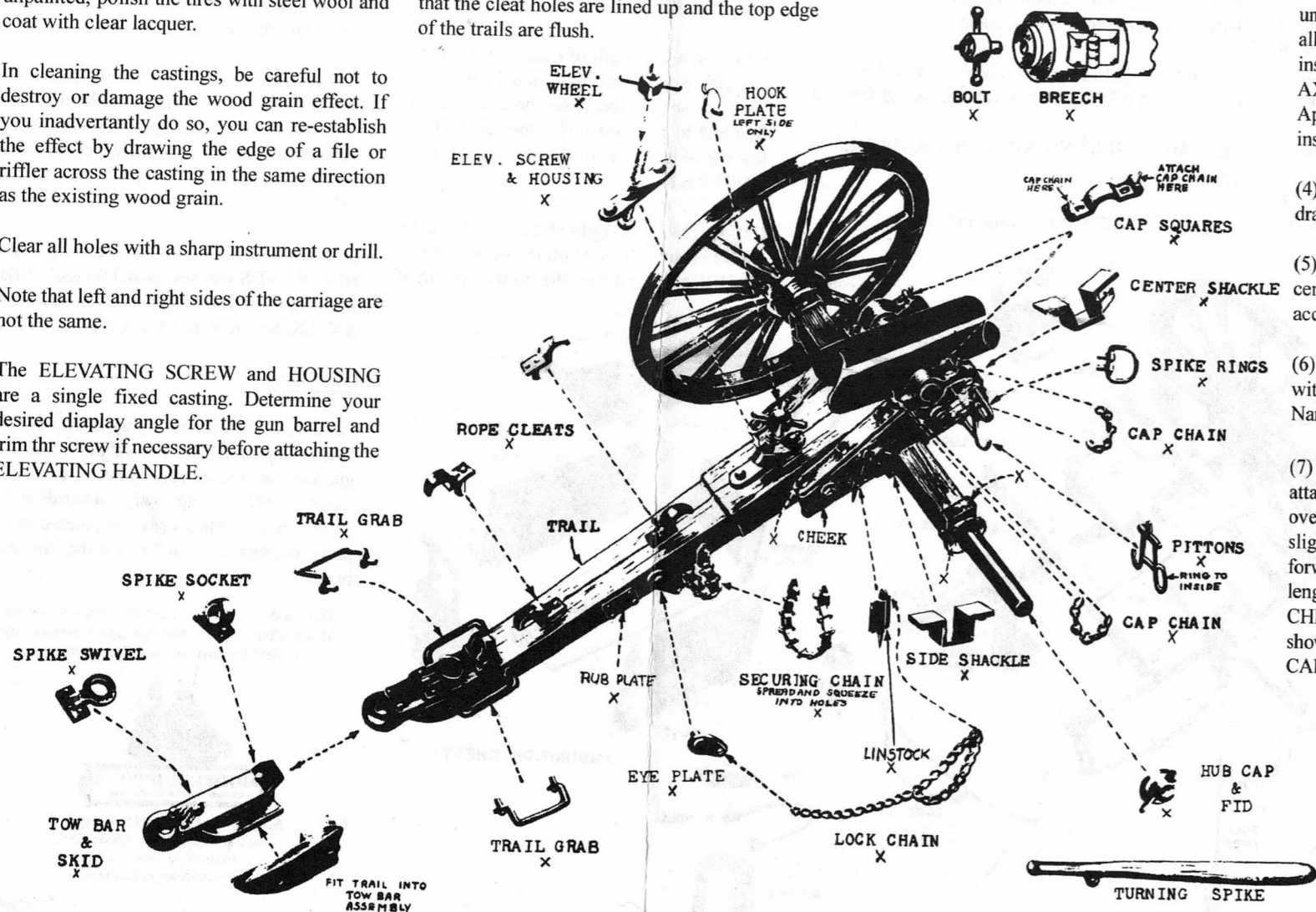
ASSEMBLY:

(1) Drop LEFT TRAIL into space on TOW BAR and SKID. (Do not try to force TOW BAR and SKID on from end.) Run a ribbon of cement along gluing edge and drop right trail in place. Install ELEVATING SCREW HOUSING in holes provided, apply cement to locating tips, and clamp complete unit together. Make sure that the cleat holes are lined up and the top edge of the trails are flush.

GUNS of HISTORY

AMERICAN CIVIL WAR

WHITWORTH BREECH-LOADING RIFLED CANNON



(2) Apply cement to SHIMS (discs) on inside of CHEEKS and in holes in TRAIL. Push CHEEKS into TRAIL holes. Make sure that CHEEKS are in line, level and square.

(3) Install AXEL HOUSING to CHEEK and TRAIL CUT-OUTS. Apply cement in unexposed areas. Align with TRAILS and allow to dry thoroughly. Apply cement to inside of CENTER SHACKLE and drop over AXEL HOUSING with HOOK forward. Apply cement to SIDE SHACKLES and install directly under each CHEEK.

(4) Paint this assembly light gray or olive drab. Paint SCREW HOUSING black.

(5) Paint all remaining parts black, apply cement to inside surfaces and pins and install according to the illustration.

(6) Paint WHEELS light gray or olive drab, with bands on hubs and tire bolts black. Narrower wheel hubs face out.

(7) Take 4" of chain, spread end link and attach one end to EYE PLATE, loop one ring over LINSTOCK as shown. There should be a slight droop. EYE PLATE bottom should slant forward. Cut remaining chain into four 1" lengths and attach ends to small pins on CHEEKS and TRUNION CAP SQUARES as shown. DO NOT YET GLUE TRUNION CAPS IN PLACE.

(9) Cement CAP SQUARES to CHEEKS, over TRUNION BARS.

(10) Spread cast SECURING CHAIN and squeeze into holes in TRAIL. Do not cement, allow to swing freely.

(11) Paint TURNING SPIKE black or dark brown, slip through LEFT SPIKE RING and hang its ring onto HOOK PLATE on LEFT CHEEK. This may be left loose or cemented in place.

(12) Assemble the BUCKETS. WATER BUCKET (tall one) is illustrated. GREASE BUCKET is similar. Hook WATER BUCKET on CENTER SHACKLE HOOK. GREASE BUCKET hangs from LEFT PITTON.

COLORS:

The complete carriage and wheels were painted a light gray or olive drab. The exact color would have varied from gun to gun. Most batteries painted all metal parts black. These parts are marked with an "X" on the illustration. The cast gun barrel also was painted black.

If you want to show a coil of rope on the cleats, get a short length of mason's cord or similar and wrap in a figure-eight fashion around the cleats. Tying an eye splice in each end will complete the effect.

This model is derived from the original Marine Model Company kit and has been updated by Model Shipways Inc. and Ken Goldman.



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