

## GENERAL NOTES:

Use 5-minute Epoxy or cyanoacrylate (Super Glue) for assembly

Lay out all parts and familiarize yourself with their location before assembly and dry fit all parts before gluing and painting.

Clean 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.

## ASSEMBLY:

(1) Assemble FRONT and BACK of the AMMUNITION CHEST to the ENDS, noting tops and bottoms from illustration. Check for squareness and attach BOTTOM so that its end straps fit the recesses in the bottoms of the ENDS. Attach the HANDLES on the ENDS.

(2) Assemble PINTLE HOOK (Trail Hitch) to the recess in the AXEL HOUSING.

(3) Begin the CARRIAGE assembly by gluing the SPLINTER BAR (TREE) to the HOUND and FORK casting.

(4) Attach the FRONT FOOT BOARD. Note that it slants to the rear.

(5) Glue on the FORK STRAP.

(6) Attach the AXEL HOUSING to the HOUND AND FORK casting, PINTLE HOOK to the rear.

(7) Fit UNDER STRAPS over the AXEL HOUSING directly in line with the HOUNDS. CHAIN STUD on RIGHT STRAP goes to the rear, on LEFT STRAP to the front.

(8) Install MID BANDS into recess in FORKS, with flat under SPLINTER BAR.

(9) Install END BANDS to SPLINTER BAR ends with loop facing forward.

(10) Slide POLE between FORKS until it butts against the back stop. Mark location of the BUCKET HOOK, remove POLE and cut a notch for the BUCKET HOOK strap end.

(11) Cut the POLE to 8" long, then sand it round from the front end for a distance of 5". Note that it must fit the MUFF & COLLAR at 1 1/8" from the front end and the PAD on the end.

# GUNS of HISTORY

## AMERICAN CIVIL WAR

### LIMBER

(12) Slide the POLE back between FORKS and lock in place with the BUCKET HOOK.

(13) Slip YOKE BRANCHES onto pivots on MUFF & COLLAR and squeeze the pivots to lock the BRANCHES so they are movable.

(14) Glue step 13 assembly onto POLE, 1 1/8" from the end with BRANCHES level and curved forward.

(15) Attach SLIDING RINGS to BRANCHES by crimping hooks.

(16) Glue POLE PAD to front end of POLE.

(17) Insert POLE STRAP (IRON) EYELET RINGS through slot in POLE STRAPS and glue these in place, right and left, immediately behind the PAD. Attach the split-ring EYELETS to RINGS as shown.

(18) The TRACE HOOKS (s-hooks) must be twisted so the loops are at right angles instead of flat. Cut two 1 1/2" lengths of chain and attach each end to a TRACE HOOK. For each chain, attach one TRACE HOOK to an END BAND and the other to a MID BAND.

(19) Cut a 3" length of chain for the LOCK CHAIN. Spread one link, double it back on itself as shown and close the link. Glue the free end to the stud under the left HOUND and the other "end" to the stud on the LEFT UNDER STRAP.

(20) Cut two 1" lengths of chain and glue one end of each to the stud on the outside rear of the HOUNDS and the other to the bottom of

the rear CHEST STRAPS. You may want to drill into the cast bolt head and insert a pin to facilitate this.

(21) Attach 1 1/4" of chain to the PINTLE KEY and the other end to the stud on the right UNDER STRAP.

(22) By spreading then crimping the ends, attach 1" of chain to the POLE PROP and one of the TRACE HOOKS on the FORK.

(23) Assemble the BUCKET as shown and hang from the BUCKET HOOK.

(24) To display the model with the POLE PROP in use, glue it into the hole under the SPLINTER BAR. To display with the PROP stowed, hang it between the left chain under the SPLINTER BAR and the LOCK CHAIN.

(25) Paint WHEELS to match carriage, with HUB BANDS and tire BOLTS black. Slide WHEELS (narrower hubs facing out) over AXELS. Secure with HUB CAPS & FIDS.

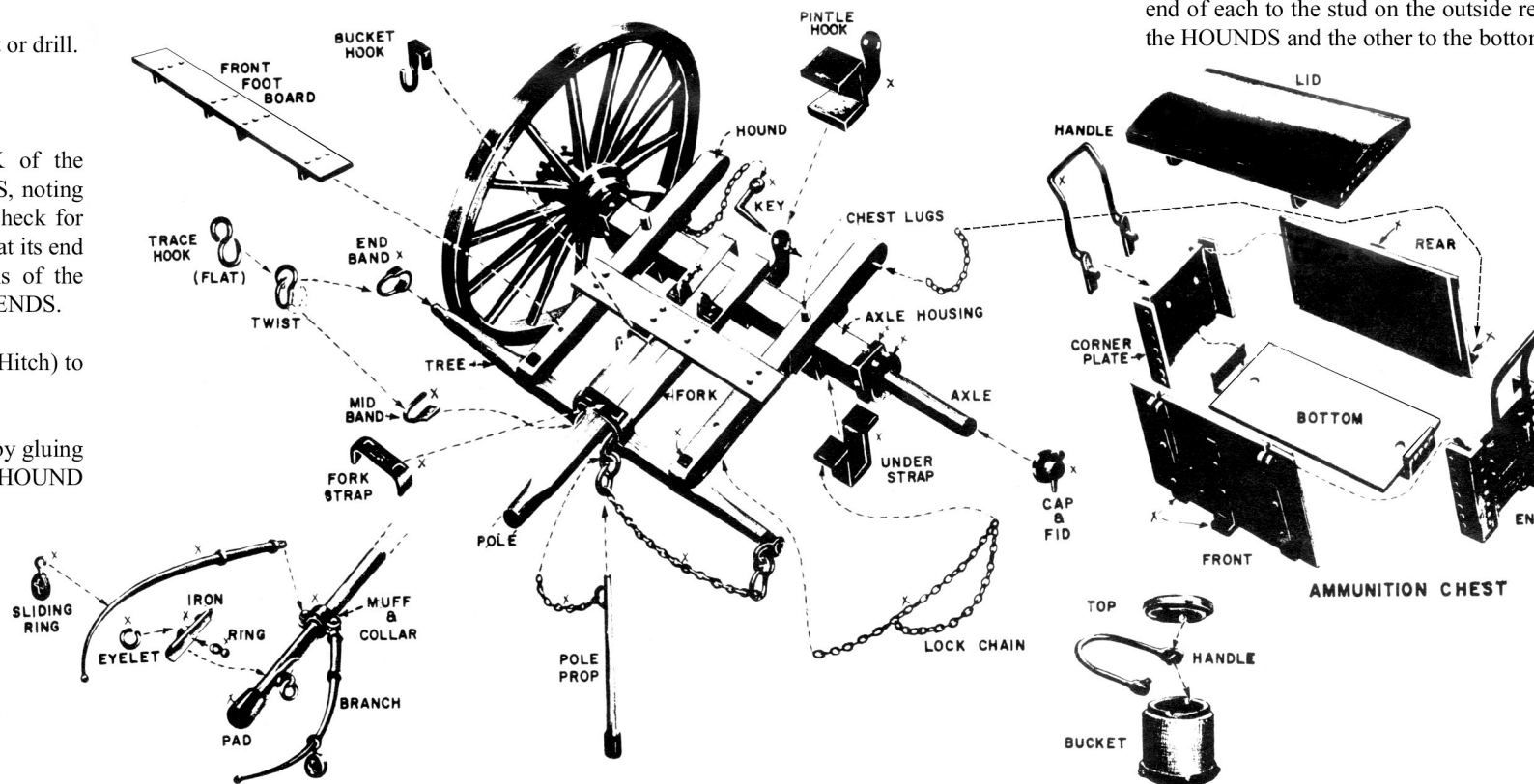
## COLORS:

Paint the LIMBER light gray or olive drab, but, if displayed with one of our Civil War gun kits, use the same scheme for both. The exact shade would vary according to circumstances. Most batteries painted metal parts, marked with an "X" on the drawing, black.

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



Manufactured by Model Shipways, Inc.  
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www.modelexpo-online.com



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## AMERICAN CIVIL WAR LIMBER PARTS LISTS MS4002

PART #	ITEM	QUANTITY	DESCRIPTION/NOTES
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### BRITANNIA CASTINGS

WP0001	Bucket	1	
WP0002	Bucket handle	1	
WP0003	Top	1	
WP0004	Muff & Collar	1	
WP0005	Mid Band	2	
WP0006	Ring	2	
WP0007	Branch	2	
WP0008	Iron	2	
WP0009	Pad	1	
WP0011	End Band	2	
WP0012	Sliding Ring	2	
WP0013	Front foot board	1	
WP0014	Pole prop	1	
WP0015	Pintle hook	1	
WP0016	Trace hook	4	
WP0010	Under Strap	2	
WP0017	Fork strap	1	
WP0018	Key	1	
WP0019	Bucket hook	1	
WP0020	Chest handle	2	
WP0021	Cap & fid	2	
WP0022	Wheels	2	
WP0023	Hounds	1	
WP0024	Chest Lid	1	
WP0025	Chest Bottom	1	
WP0026	Chest Rear	1	
WP0027	Chest Front	1	
WP0028	Chest End/Corner plate	2	
WP0029	Tree	1	
WP0030	Axle	1	

### MISCELLANEOUS FITTINGS AND MATERIAL

WP0954	Eyelet	2	
WP2800	Chain	10"	
WP3640-24	Wood Pole 3/16x3/16	12"	

### INSTRUCTIONS

WPPL4002	Parts List		
WP4002MB	Instructions		