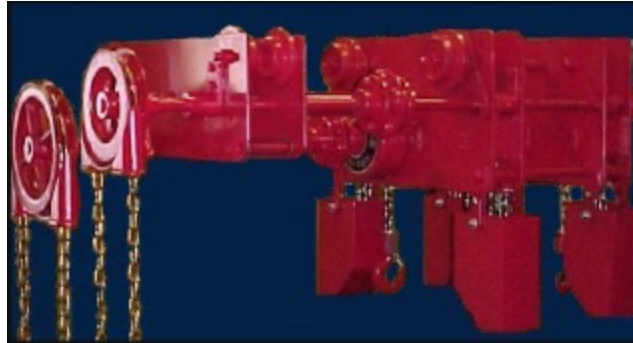


**Case Study...
4 Point Pickup Hoist**

“CHESTER” Develops A Hand Chain 4 Point Pickup Hoist

Special ½ ton capacity

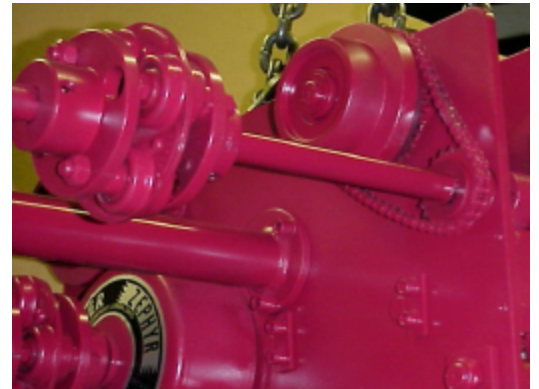


**Hand geared trolley drive
to run inside of 5” channels**

**Extended trolley and hoist
hand wheels**

**Our customer required this special hoist
to raise and move large rolls.**

The customers requirements were to have a 4 point pickup hand chain hoist, incorporated hand geared trolley to run inside of 5” channels. The hook spacing had to be 12” perpendicular to the runway and spaced to accommodate the 12” diameter roll parallel to the runways. In addition the hoist was to have 42” hand wheel extensions on the trolley and hoist mechanism. All 4 hooks must be timed to raise at the same time, chain containers were required and max. headroom was to be 13”



To meet the requirements we started with a standard 4 plate low head and severely modified the unit. The real challenge was to come up with suitable hook spacing and be able to run hooks in opposite directions with a single hoist mechanism.

***Special roller chain
trolley drive was
incorporated in compact
design.***

The trolley and hoist hand wheels were mounted on a separate support trolley located 30.5” outside the hoist trolley channels.

Special gearing and sheave arrangements were added to the modified low headroom hoist. Because of low operating height, the customer also required special guards over the gearing. Special shields were fabricated to fit between the outboard and inboard side plates to guard the gearing arrangement. Because of the compact design to achieve the 13” headroom, a special roller chain trolley drive was incorporated into the unit.

**CHESTER
HOIST**

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