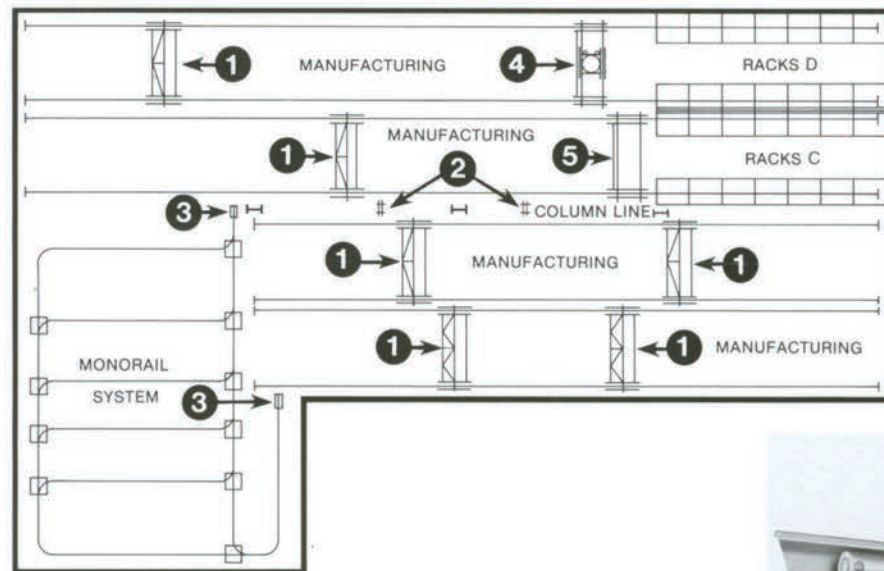


INTERLOCKING DEVICES

Louden Interlocking Capabilities Allow Material Movement Without Costly Rehandling

Louden Latching devices range from light duty, hand operated latches to heavy duty motor operated latches. Every latch has been carefully designed to afford positive latching with tracks aligned both horizontally and vertically.



In the illustration below, complete material movement can be achieved without costly rehandling with the use of Louden interlocking devices.

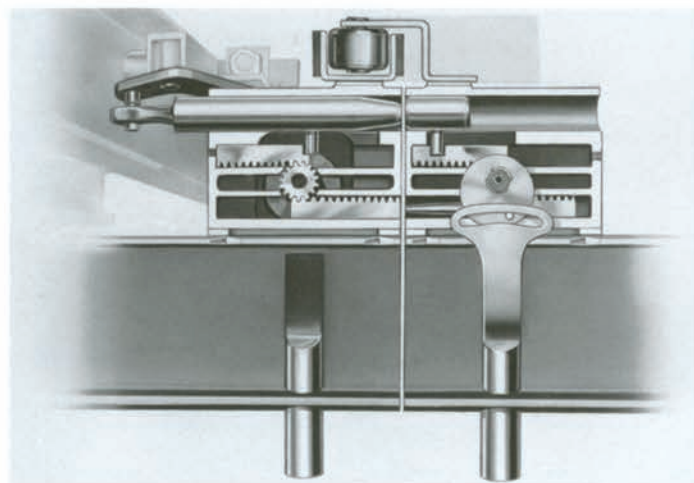
1. Louden Cranes - These cranes, equipped with interlocking latches, enable a manufacturer to move loads from one crane system to another without rehandling.

2. Transfer sections - Where column lines or walls eliminate the possibility of latching cranes together directly, transfer sections are installed. By latching cranes to the transfer section, loads can be moved from bay to bay without rehandling.

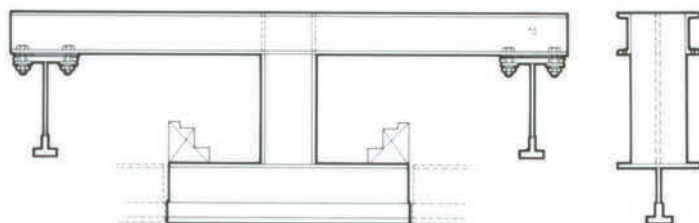
3. Spur track supports - Smooth passage of the trolley wheels over the transfer joint from crane to monorail is allowed when the two systems are latched together.

4. Louden stacker and double girder stacker crane - Used for high-rise storage of materials, this stacker crane is equipped with latching devices to interlock with stacker crane #5. With the cranes latched together, the stacker is free to transfer from the racks in bay C to bay D.

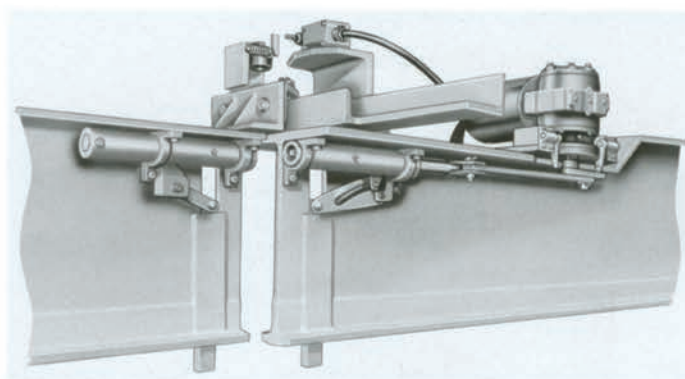
5. Louden double-girder stacker crane - This crane interlocks with crane #4 to give stacker access to racks in both bays C & D.



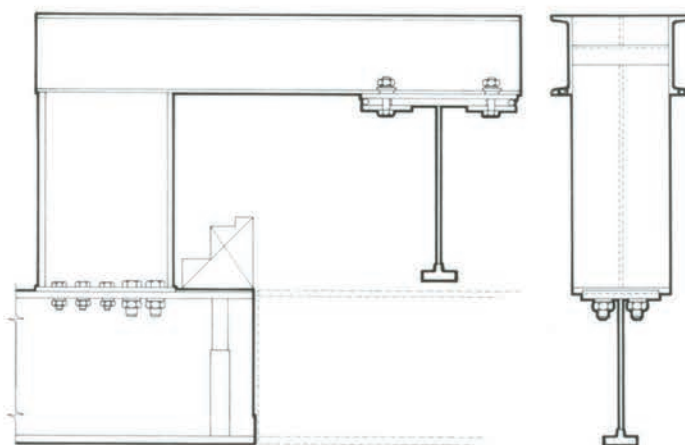
HAND-OPERATED LATCH is used for light and medium duty crane and monorail operations, these latching mechanisms give positive track alignment needed for smooth operation of trolley wheels through the latching point.



TRANSFER SECTION mounts on adjacent crane runways providing a means for a load to move from one crane to another across a building column line without costly rehandling. Any deflections are equalized, permitting smooth passage of the trolley wheels.



MOTOR-OPERATED LATCH is used for heavier duty crane and monorail operations. This latch is equipped with a channel-shaped guide which functions with a heavy roller mounted on the block to allow latching and proper track alignment.



SPUR TRACK support is used to provide smooth passage of trolley wheels over the transfer joint from crane to monorail. Since the end of the spur track is supported on the crane runway, any deflections at the ends of the crane bridge and spur track are equalized. No other support of the spur track should be provided close to a spur track support since this would upset its equalizing effect.