

PATTERSON MANUFACTURING PATENTS MANUAL WINCH WITH DUAL LOCKING DOGS

August 4, 2004 (Pittsburgh, PA)

The U.S Patent and Trade Office awarded Patterson Manufacturing patent No. 6,726,182 for its 40-ton manual barge connector winches.

According to Patterson officials the patented mechanism improves operator safety, payout control, and ease of use. It allows operators to achieve higher tension, while minimizing the gear travel needed to release the winding drum.

The release mechanism consists of twin locking dogs, counterweights, and gears. The locking dogs are set independently. The gears are offset by .5 pitch, so as one dog is released the other catches the load.

The design has been field tested and proven over several years. Over 2000 barge connecting winches have been sold with this patent-pending design. These barge connector winches also feature Patterson's open bottom design for easy clean-out. Patterson received a patent for its open bottom design in 1999.

About

Since 1858, Patterson Manufacturing has been designing and manufacturing equipment for heavy-duty towing and lifting operations, building a genuine tradition of safety-focused innovation. Their reliable, thoroughly-tested products, and customization capabilities have helped to improve customers' bottom lines by reducing maintenance, unplanned downtime, workers' injury claims, and the frequency of machinery replacements. They prove their claim of "safer, easier, and faster," daily in customer satisfaction ratings, SRI ISO 9001:2015 certification, and product performance records.

Affiliations

AWRF, RiverWorks Discovery, and The Seamen's Church Institute

Industries Served

Wastewater Management, Marine, Construction, Mining, Manufacturing, and Custom Fabrication

Headquarters

Patterson Manufacturing
870 Riversea Road
Pittsburgh, Pennsylvania 15233
800.322.2018

Online Channels:

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[linkedin.com/company/patterson-manufacturing](https://www.linkedin.com/company/patterson-manufacturing)
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