

# PATTERSON MANUFACTURING RECEIVES PATENT FOR ITS MANUAL WINCH LOAD RELEASE SYSTEM

November 12, 2003 (Pittsburgh, PA)

The United States Patent and Trade Office has awarded Patterson Manufacturing a patent for its unique load release system. It provides greater control when manually releasing loads as high as 80,000 pounds. The patented load release system has been incorporated into the company's entire line of three-shaft manual winches. A retrofit package is also available.

According to company officials, Patterson developed the load release system in response to safety concerns with standard winch release mechanisms and procedures. To improve load control and safety, the Patterson system incorporates a manual brake and load release wheel with a dog engagement mechanism. When used properly, the Patterson system prevents the load from flying out of control once the brake has been released.

In addition to improving safety, the patented load release system improves ease of use. In a competitive test, operators could manually load and release up to 40,000 pounds with the traditional winch mechanism compared to 60,000 pounds with the Patterson unit.

Patterson's load release mechanism features non-corrosive, stainless steel and brass components for maximum durability. It has been designed for mooring and tow boat applications, and it has been proven in over 500 installations from coast to coast.

## 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

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