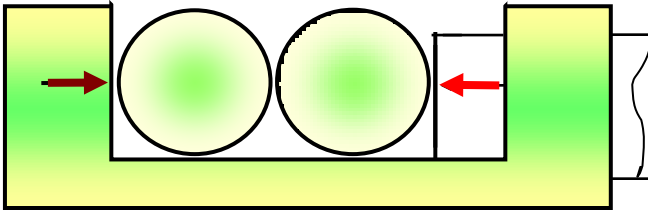
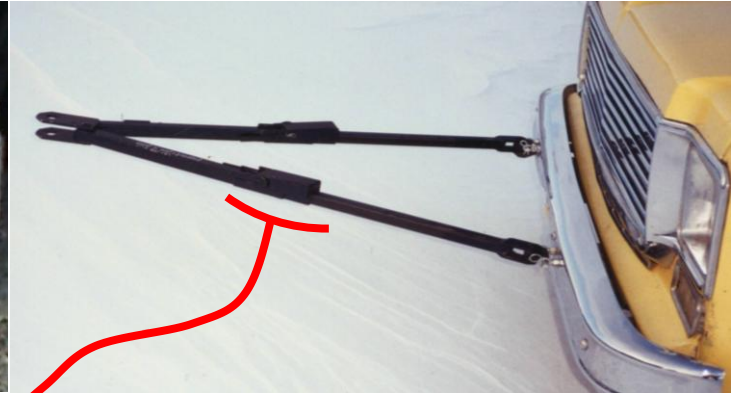
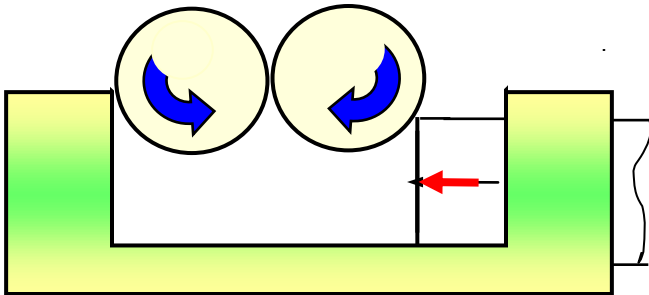


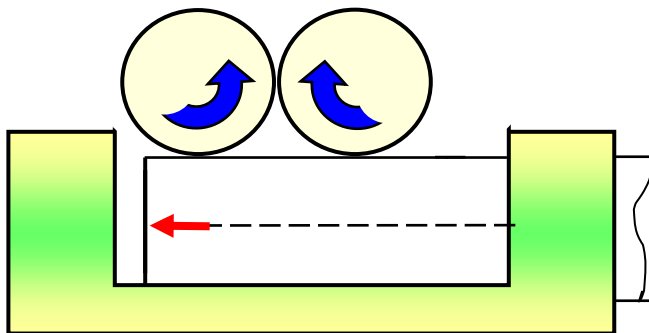
This is the *Tow N' Stow* Brute tow bar latch. Pat # 6,352,278B1



Left drawing; the operator backs up before unhooking. This compresses the rollers in the tow bar latch.



In the second drawing, the operator turns one roller, which turns the other. Both rollers turn on the notch walls, exiting the forces that compress them, with very little friction, or wear.

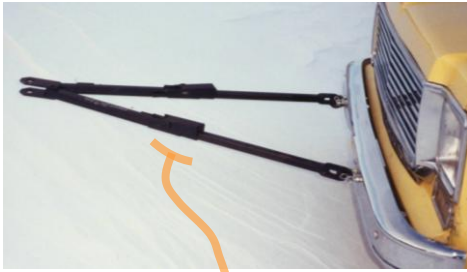


In the third drawing the rollers have crawled out of the forces that enclosed them, releasing the pressure on the pin in the tow bar tongue.

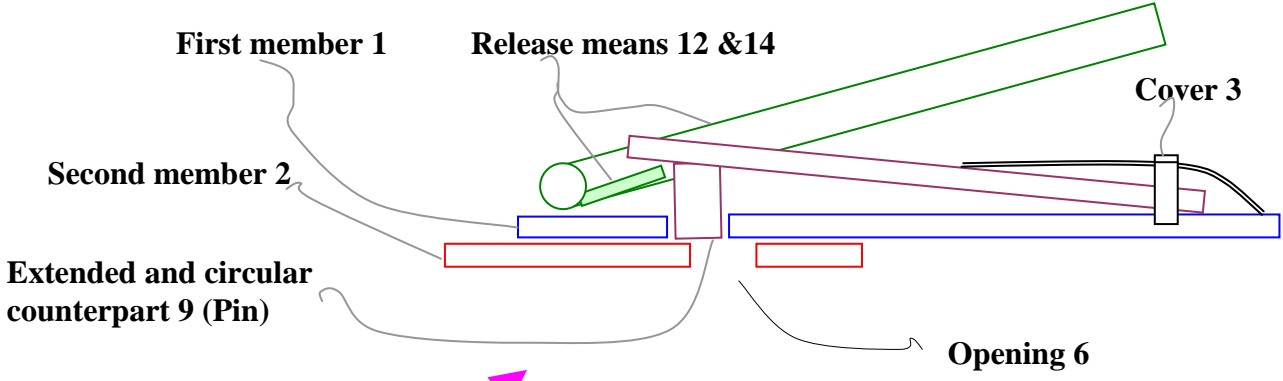
This latch will release two ton trucks backed together in a soft field. Two sizes; the smaller one, with a different latch, is ideal for ATV's, cars, pickups; weighs only 24 lb lbs.

If you are unhooking and the front vehicle is pulling on the tow bar, it will be a struggle to get the pin out. Backing up first puts all the forces on the rollers. Easy to roll them out!

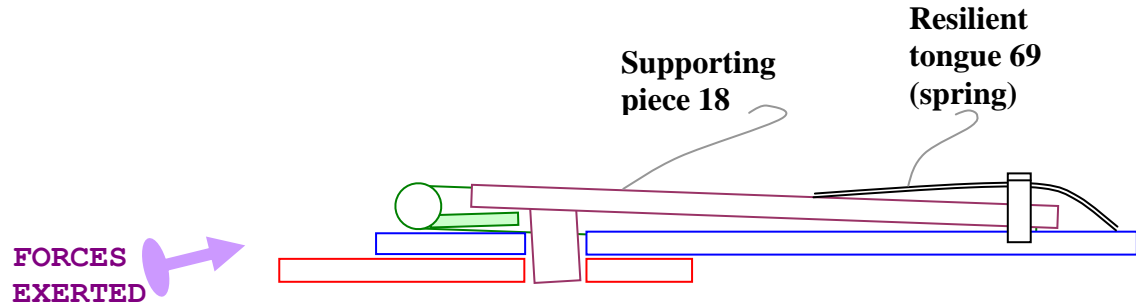
This is the *Tow N' Stow*, Standard Tow Bar pressure release latch: Patent # 6,854,278B1



This is a telescoping tow bar, so its easy to hook up. It is rated at 5,000 lbs. and has a pressure release latch developing about 12:1 leverage, so its easy to unhook.



FORCES RELEASED ↗

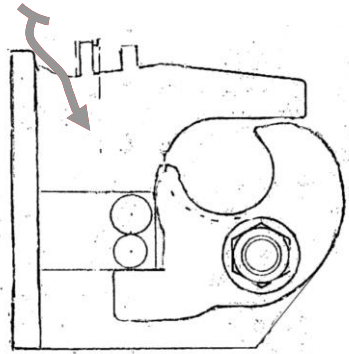
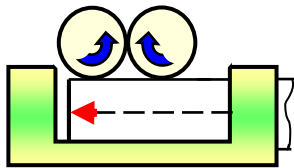
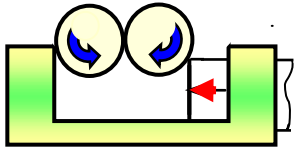
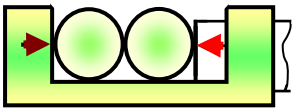


How it works: The pin supporting piece 18, "floats" on the outer square tube (first member 1). A cover 3, about 6" long, is a U shaped piece; it goes over the resilient tongue, which is a leaf spring. It also goes over the supporting piece, and makes it look good, and limits pin movement. Pry rod 12 & plate 14 pry the pin out.

You back up first, and then release the pressure with the exclusive high leverage release system. This tow bar is the same as the brute except for the latch and the iron sizes. This is the *Tow N' Stow* Pressure release, pintle hitch. Patent # = 5,713,691

Pressure release for pintles is the same as for tow bars I make. Here's how it works on tow bars in the three middle drawings:

1. The operator backs up before unhooking, compressing the rollers.



2. The operator turns one roller which turns the other. Both rollers turn on the notch walls, exiting the forces that compress them, with very little friction, or wear.

3. The rollers are out, the towbar pin comes out easy. If you are unhooking and the front vehicle is pulling on the tow bar, it will be a struggle to get the pin out. Backing up first puts the forces on the rollers. Easy to turn one out!

But, if you're going down hill or the back unit rolls in a dip, backing up don't help!

See the pintle hitch below left and imagine the rollers rolling away, releasing the pintle hook.

With a pintle you don't have to back up!

1. You get out, and if the pintle ring is pulling on the hitch you turn the rollers. If it's pushing forward on the pintle frame, there's no force on the rollers; you

pull the rollers back and lock them and drive away. There is never a struggle!

The only way to insure trouble-free hitching is with a Tow N' Stow roller release / pressure release pintle hitch.

No other company has as good a pressure release latch as even my standard tow bar 'pry-the-pin-out' latch, at 12:1 leverage.

And; this roller latch likely has 100-200 times the releasing ability of my 'pry-the-pin-out' latch and far less wear. See the 13 page pintle pdf for more.

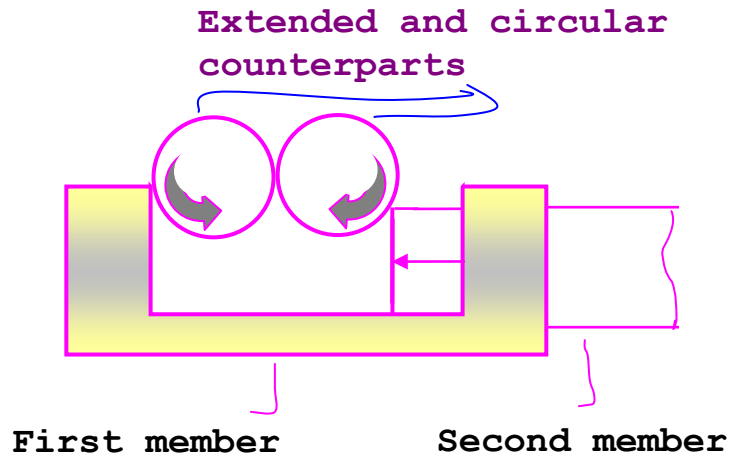


Click here to view the Pintle brochure in your Acrobat Reader

<http://web.nccray.com/tow/PINTLE%20Power%20New%206-7-07.pdf>

O n t h e l i g h t e r s i d e .

~ Patent Art ~ Hook Up Art ~ Word Art ~



Brute Patent abstract; abstract art: For coupling interacting members. The members together define an opening for their extended and circular counterparts. The counterparts turn on the members and each other, while the members contact the counterparts to urge them together; and the counterparts, one after another between the members, release the members. ~

Call Tow N' Stow / Glenn Solberg @ 701 528-4712 or write:
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<http://web.nccray.com/tow/index.htm>