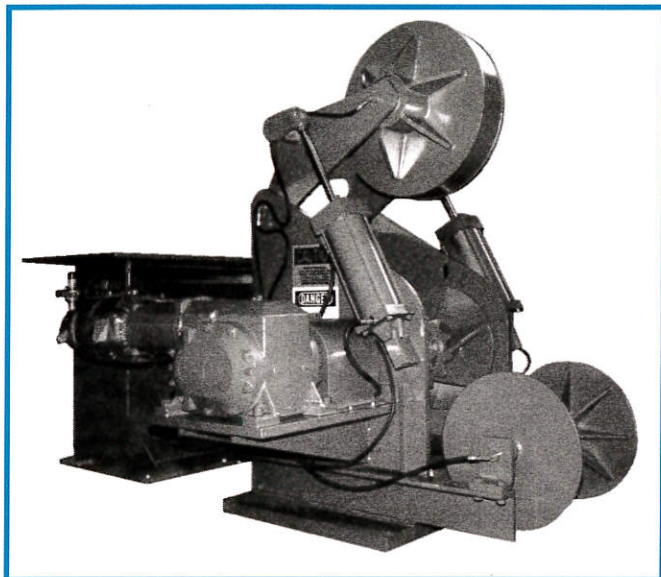


M-14 AUTOMATIC RAGGER



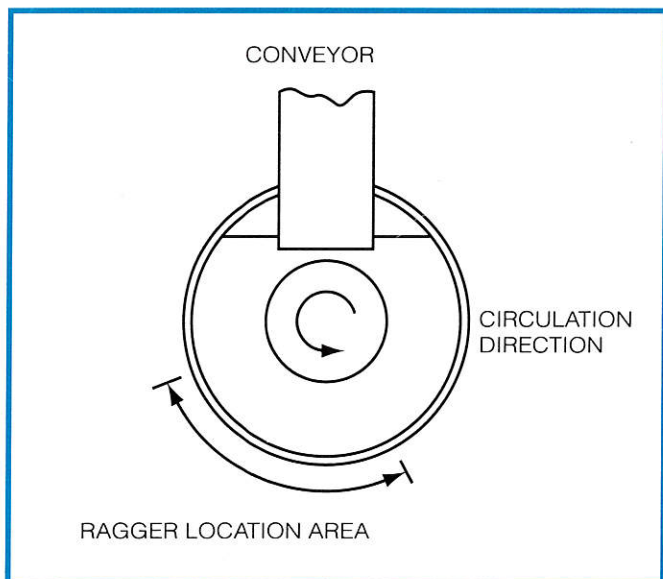
Black Clawson's M-14 Automatic Ragger incorporates the first significant change in ragger design since its development in the mid-1940's. Prior models depended on a weight wheel and an anchoring or long rope counterweight system to prevent rope slippage. Black Clawson's innovative concept features the constant nip load of two 6-in. diameter pneumatic cylinders that eliminates the need for anchors or counterweights.

The Black Clawson M-14 Automatic Ragger is designed as an accessory for use with the Hydrapulper® pulping machine to remove trash that results from slushing secondary fiber furnishes. It is supplied with an adjustable fabricated steel base that elevates the ragger to the proper operating height at the side of the Hydrapulper tub. Once positioned, the ragger utilizes the wire that binds the waste paper bales and the swirling hydraulic motion of stock being pulped in the tub to form a continuous wire-reinforced rope. The rope snags sheet plastic, rags, wet strength paper and other light trash normally encountered in waste paper furnish. The ragger's operating speed can be adjusted according to the amount of trash in the furnish to maintain a fairly consistent rope diameter. The ragger spool then reels the rope over the side of the tub for disposal.

As an added benefit, the same hydraulic action that forms the rope creates a washing and wringing action that limits fiber loss to only one pound per ton of material handled.

FEATURES

- Rag rope held securely by constant nip load of two 6-in. diameter pneumatic cylinders which eliminates the need for anchoring or long rope counterweights to prevent rope slippage.
- Ragger spool, driven by a 3 hp gear motor with brake, efficiently removes rag rope from pulper tub eliminating the need for a winch.
- Timers regulate the frequency and duration of spool operation to form a uniform rope diameter for efficient removal minimizing operator involvement.
- Ragger operation can be sequenced with Black Clawson rag rope guillotine cutter for rope disposal.



Black Clawson Company

Bulletin No. MB-328