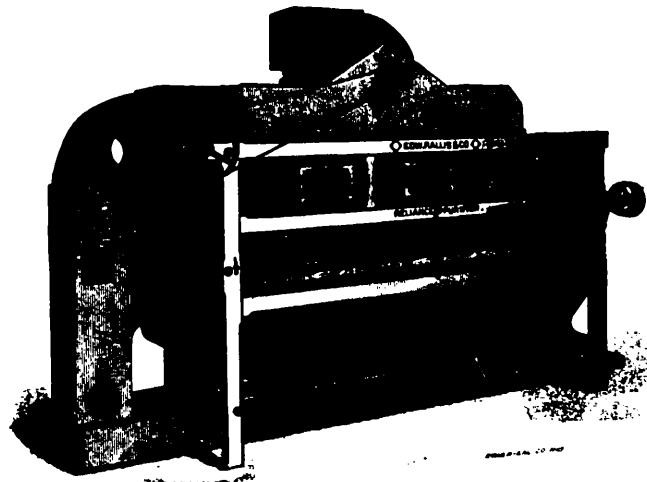


# SOMETHING NEW IN PURIFICATION



Reliance Middlings Purifier, with Tail Aspirator Attached

## The Combined Reliance Air and Sieve PURIFIER

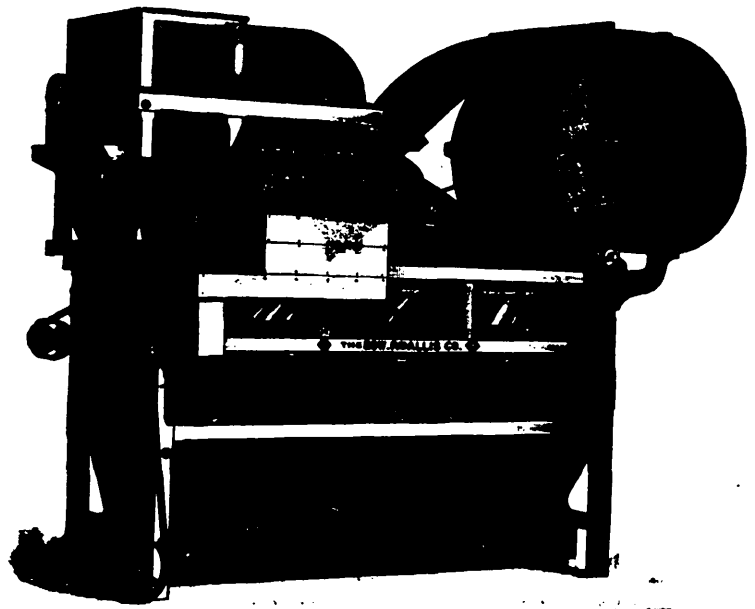
WITH  
Dust Collector



THE middlings purifier illustrated in Cut No. 1 is of the Reliance patent, in a handsomely finished chest, with double conveyors of the hollow shaft Reliance patent, having reversible flights. The reciprocating sieve is operated by smooth working eccentrics and covered with Dufour bolting cloth or gritz gauze, and the cloth is kept clean by an automatically traveling brush, moving crossways of the sieve so as to avoid mixing the clean stock at the head of the sieve with the inferior middlings at the tail. An excellent cloth tightener is provided, and the air currents are controllable at will.



IN addition to the sieve purifier, we provide for the larger and more complete mills, a Gray's patent air purifier (see accompanying illustration located on top of the sieve purifier). The air tier receives all the middlings, fine and coarse alike, by means of which the dust and fluff are removed, and the middlings then pass to the sieve purifier, where the bran specks of the same gravity as the middlings are removed as far as is possible by mechanical means. The air purifier acts also as its own dust collector, as well as for collecting the dust from the sieve purifier.



Air Belt and Sieve Purifier Combined

DISCHARGES AIR OUT INTO THE MILL :::: DUST FROM THE AIR AND SIEVE PURIFIERS KEPT SEPARATE



# The North American Mill Building Company

## STRATFORD, ONT.

Sole Manufacturers for the Dominion