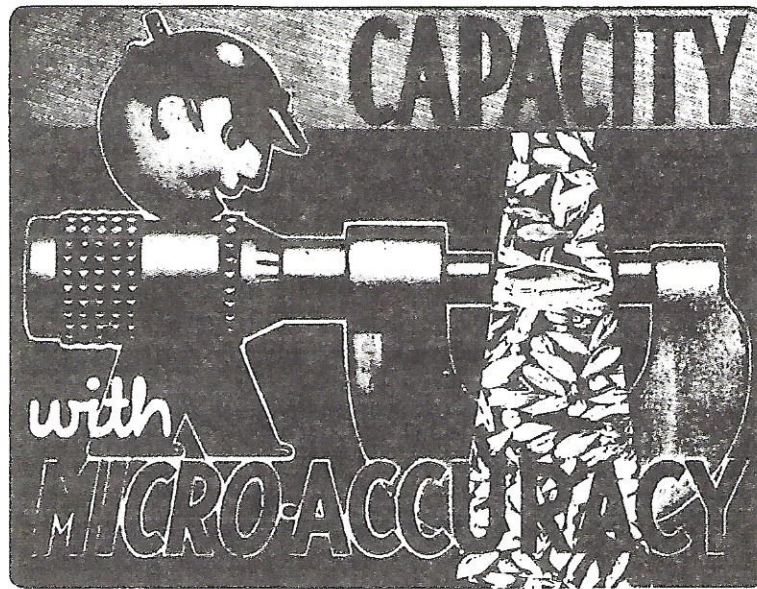


# Grades 300 - 500 Bushel per Hour in 8½ square feet of Floor Space



This **IDEAL** Vertical Width Grader is made in three models: the No. 10, No. 14, and No. 18 with 10, 14, and 18 screens respectively.

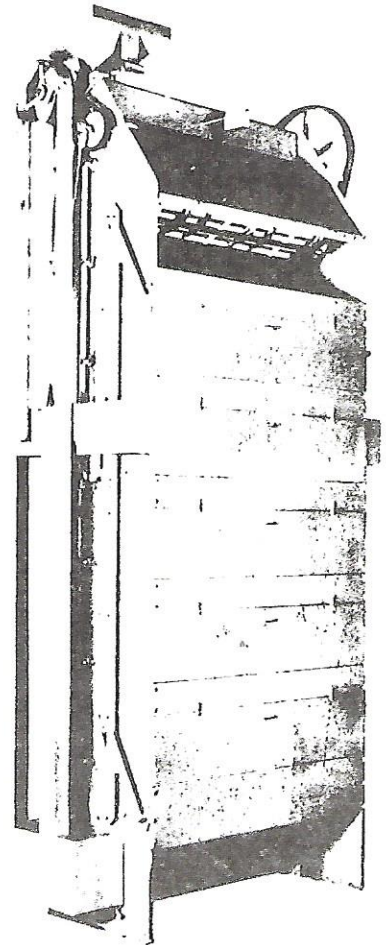
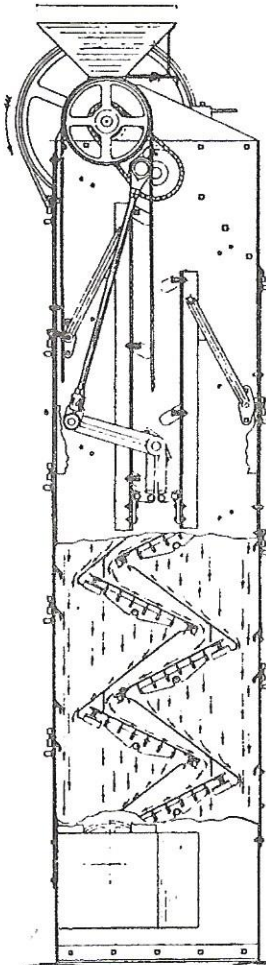
Only two feet wide and four feet long, on the floor, it gives the capacity you need, yet fits into crowded work floors.

And it is accurate, MICRO-Accurate, because its slotted screens do not vary in size of openings. The weight of down pouring grain forces thin kernels through the openings while positive wiping action keeps the screens clean.

## OPERATING METHOD

The cross section diagram at the right shows the grain flow. The thinner grains drop through the screens and are deflected to the sides of the machine, falling into a hopper built into the bottom, and they are discharged out by a special conveyor.

Flow Diagram



FRONT VIEW  
NO. 14  
WIDTH GRADER



**YOU WILL LIKE** the simplicity of this ingenious machine. It has so few moving parts, operates so easily and simply and yet grades 300 to 500 bushels an hour so accurately.

The screens are stationary. Instead of moving the screens to grade the grain, Gravity moves the grain over the screens and through the screens. Rubber belt wipers keep the screens clean.

This simple construction, free of numerous moving

parts to get out of adjustment, helps assure accurate grading. The varying accuracy of needle type machines is avoided. Much less floor space is required than for horizontal screen machines.

Passing over one screen after another, as the grain flows from top to bottom of this vertical machine, the thin kernels are thoroughly taken out. The smallest model provides 10 screens over which the grain flows; larger models provide 14 and 18 screens.

## SUCCESSFUL WIDTH GRADING APPLICATIONS

**FLOUR MILL ELEVATORS:** These vertical width graders, occupying so little floor space, are exceptionally satisfactory for removing thin cheat from plump wheat and for grading durum, rye and wheat by width.

**CEREAL PLANTS:** Thin oats are very successfully separated from plump oats for best results in rolling and crimping. Uniformly graded plump durum is provided for puffing.

**MALTING PLANTS:** This Vertical Grader is widely used in malting plants to remove thin from plump barley and to size barley into grades most suitable for malting purposes.

**FEED PLANTS:** This machine is often used in feed plants to grade barley, oats and wheat by width. In Canada this equipment is employed to obtain plump oats, free of thin oats, for crimping and rolling.

**TERMINAL ELEVATORS:** The distillery trade demands for plump rye makes this machine profitable for terminals. Additional profits are made by supplying the breakfast food trade with plump Durum for puffing and the maltsters with plump barley free of thin grains. Barley can be graded into choice, fancy and distillers' type grains.

### Gives You Several Machines in One — Screens Interchanged in Minutes Only!

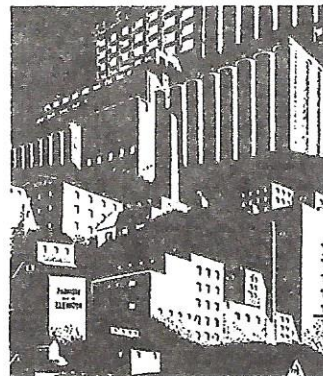
You can accurately and easily grade oats, rye, wheat, barley or Durum on this one machine because you can change screens in a matter of minutes only.

A turn of the hand, and the machine is open for the screens to be slid out. Other screens, for different grading results, can be quickly inserted in place. The machine is closed tight again and that's all!

Compare this with machines that must virtually be almost taken apart and you can see why the IDEAL Vertical Width Grader is gaining so rapidly in popularity. The wide range of uses makes this machine unusually economical.

#### CAPACITY ON VARIOUS GRAINS In Bu. Per Hr.

No.	Wheat	Durum	Barley	Oats
14	300	300	350-450	300
18	325	325	400-500	325



**IDEAL GRAIN AND SEED CLEANER CO.**  
85 SECOND AVENUE S. E.  
NEW BRIGHTON, MINNESOTA 55112