

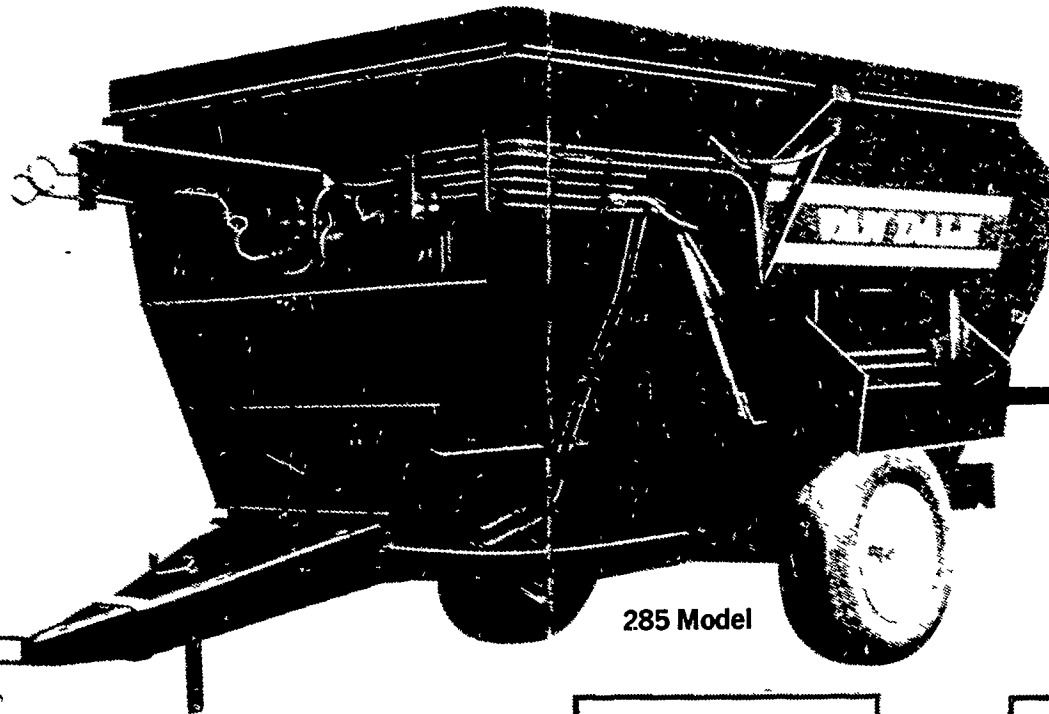
# K & S INC., AND McMILLEN BROS.

## VAN DALE

### TOTAL MIXED RATION (TMR)

#### FENCELINE MIXER FEEDERS

Hitch up to the versatile mixer feeder that handles partial as well as full loads. Load up with haylage, corn silage, shelled corn, urea and protein concentrates. Then mix and blend on-the-go with PTO operated trailer or truck units. You feed fence-line, feedlot or pasture bunks with equal ease, in one pass. That kind of performance is no surprise once you've seen the kind of features we've built into these mixer feeders. Check them all out. Compare feature for feature with all other makes. We know you'll choose Van Dale.

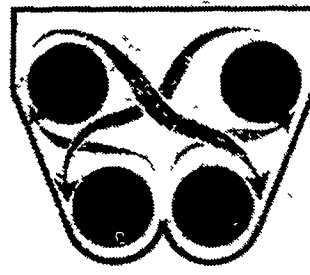


285 Model

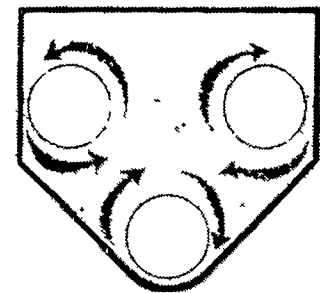
**Center Discharge Hydraulic Conveyor.**  
The VAN DALE center discharge design makes it easier to align the conveyor to the bunk and hold it in line. The side door operates hydraulically. So does the discharge conveyor. You operate both from the tractor seat or truck cab. Does not depend on PTO speed or ground speed to control flow of feed from conveyor. This variable hydraulic feed control eliminates need to back up for another pass at the end of the bunk.



**"Figure-8" Mixing Action.**  
Our four-auger system moves feed ingredients in a double figure-8 (both horizontally and vertically) as it tumbles, churns, folds and blends for more complete mixing.



**The VAN DALE Four-Auger System**  
Our four augers mean a fast, thorough mix of all ingredients. How fast? How's 3 to 5 minutes sound? And that's with a half or full load. And, since we're moving feed half the distance and have four augers to do it, Van Dale requires less horsepower than most mixer feeders.

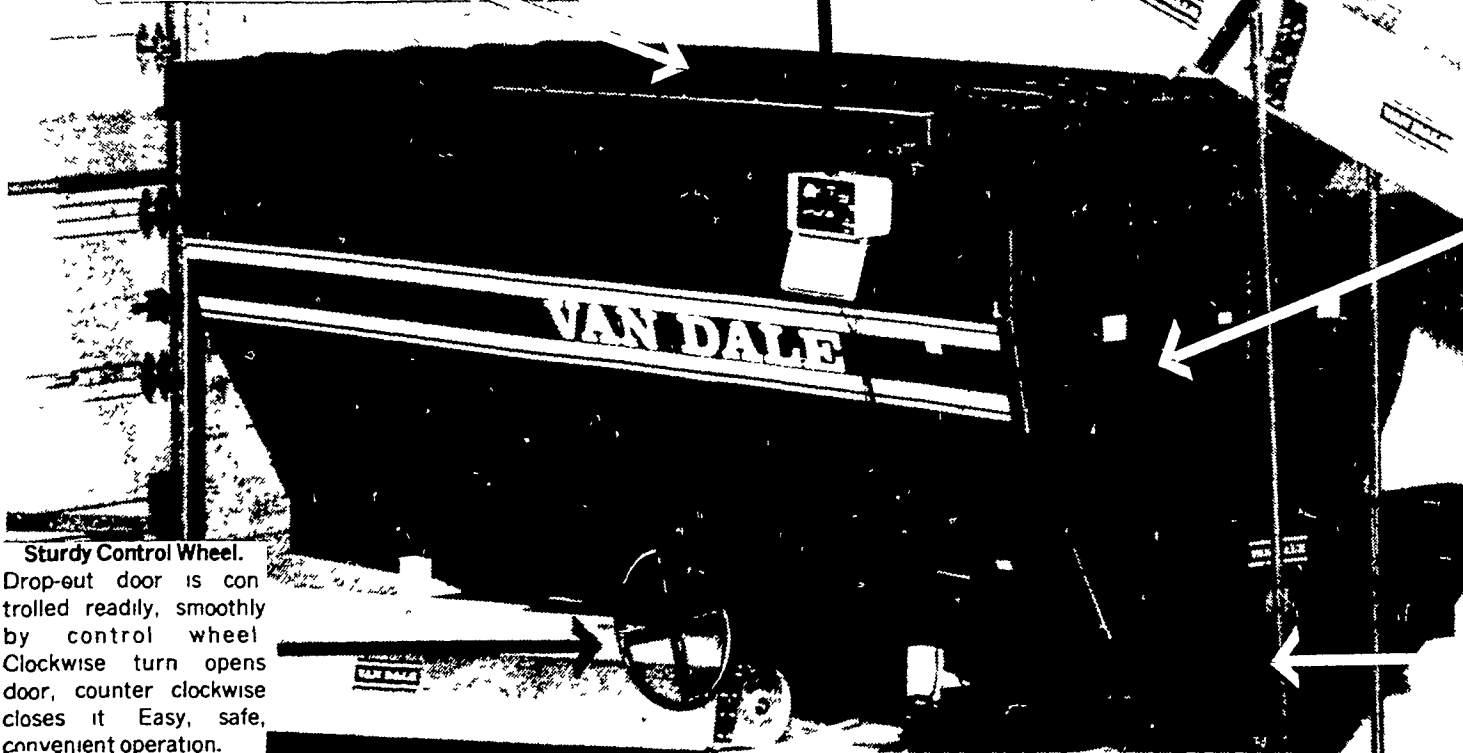


**Ordinary Three-Auger System**  
The competition. Three augers, forced to move ingredients the full length of the box for a complete mix. Compare that to Van Dale. And other makes can't promise a total mix with a partial load, because the single bottom auger just rolls the feed instead of mixing.

#### Exclusive Safety Grid Protects Augers

Safety grid made of 1" steel pipes is standard equipment ... offering more safety for operator or observer. Also helps prevent large or bulky objects from falling into box to accidentally damage augers. Augers have self-aligning sealed bearings.

**Optional Electronic Scale**  
Allows you to precisely mix each ration ingredient. Every time. Without waste or guesswork. The digital indicator shows exact weights of all ingredients coming in and all feed going out. Automatic signal tells you when weight reaches a pre-set amount (buzzer alarm or light optional).



**Sturdy Control Wheel.**  
Drop-out door is controlled readily, smoothly by control wheel. Clockwise turn opens door, counter clockwise closes it. Easy, safe, convenient operation.

**Fully enclosed Oil Bath Drive**  
Our rugged roller chain works in a continuous oil bath inside a sealed chamber. The result is more complete lubrication, minimum maintenance and longer life. Heavy duty roller chain runs on steel sprockets. Unit is designed so you can remove augers without removing the bearings.

**Ample Power for Mixing and Blending.**  
VAN DALE Stationary mixers have more than enough power. Motor provides belt drive power directly to the drive shaft. (Safety shield removed to show belts and pulleys.)

## Specifications

Model	New Model 100	210	285	335
Width (mixing unit)	53	66	80	80
Overall	70	70	84	84
Length (mixing unit)	96	120	120	144
Overall	118	142	144	168
Depth (mixing unit)	44	55	62	62
Overall	48	76	85	85
Discharge Opening	18 x 12	18 x 12	18 x 12	18 x 12
Capacity	210 cu ft	285 cu ft	335 cu ft	
	95 cu ft	168 bu	230 bu	266 bu
		up to 9400 lbs	up to 12 880 lbs	up to 14 896 lbs
Rate of Mixing	1 3 min	2 3 min	2 5 min	2 5 min
Weight	3325	4032	5950	6525
Bearings	1 1 3/8 2	1 1 1/2 2	2 7/16 & 2 15/16	2 7/16 & 2 15/16
Drive all drive chains lubricated in enclosed oil bath	oil bath & Chain Reduction	Roller chain 60 80-100 heavy duty spkts	Roller chain 80 120 heavy duty spkts	Roller chain 80 120 heavy duty spkts

## VAN DALE®

## STATIONARY MIXER

Any dairyman, breeder or beef operator knows that efficiency is the heart of a mechanical bunk feeder system. Feeding cattle Total Mixed Rations precisely blended helps build your return on investment through more meat or milk with less feed and protein. Now you can add mechanical mixing to bring you Total Mixed Rations (TMR). That's because we took all the features of VAN DALE mobile mixer feeders and put them into stationary units. And VAN DALE has the whole package ... silo unloaders, feeders, conveyors, electronic scales and stationary mixers.

Your VAN DALE mixer supplies the key to your entire automated TMR feeding system. Your mixer gives you complete control over your feeding program. Electronic scales let you know how much of each ingredient goes into the mixed ration. The four auger figure-8 action mixes different rations in large or small loads for delivery to different pens of cattle. You can be certain you are feeding the accurate, uniform Total Mixed Ration you want.