



## Livestock Ledger

By

**Chester D. Hughes**

Extension Livestock Specialist

### Smooth Wire Tension Fences

From time to time I receive calls pertaining to fence construction, from board fence to horse fence to portable fence to low-cost fence and it seems that there are many different commercial systems to choose from.

A good combination of these fence types, smooth-wire tension fences, a relatively new idea in farm fencing, effectively secures livestock with greater flexibility and lower cost than many conventional farm fences. Strong spring-like wires are stretched to high tension, creating a strong durable barrier that turns animals. Wires stay tight during temperature changes and recover quickly from sudden impacts.

Tension fences have taut wires that firmly resist deflection and spreading. This capability prevents animals from crawling through. The proper number and spacing of wires, line posts, and spacers are essential to fence strength. Structural post bracing

also must be installed at all ends, corners, and dips to support the combined loading of several tension wires.

The heavily galvanized, high-strength wire is resistant to corrosion and long-lasting. Pressure-treated wood or fiberglass posts, class 3 galvanized metal accessories, and long staples should be used throughout. Staples should be driven only part way into a wood post so that wires can slide through the staples during tensioning, impacts, and contraction or expansion caused by temperature change.

In selecting a fence design you should consider the number of wires, their spacing, the distance between line posts, spacer location, and end - and corner - post bracing. Tension fencing techniques permit many different designs of wire number and spacing.

Penn State researchers have developed a fence materials list

ST. JOSEPH, Mo. - Some 436 Angus enthusiasts from 29 states and Canada have entered a near-record 905 head of registered Angus cattle in the 1986 National Junior Angus Show set for July 15 to 18 at the Illinois State Fairgrounds in Springfield.

This major annual Angus event will also include the National Junior Angus Showmanship Contest, the annual meeting and election of board members for the National Junior Angus Association, and special family, pre-teen and teenage fun events.

The National Junior Show will feature the largest registered Angus steer show in the history of the event, with more than 148 head entered. In addition, some 214 head of bred-and-owned heifers are

and cost program for a micro-computer. This handy program quickly provides the list of materials needed for a given pasture and fence design. It is useful for comparing various fencing alternatives. These programs are available from the Cooperative Extension Service at Penn State. A copy of "Smooth-Wire Tension Fences, Design and Construction" can be obtained from your County Extension Office.

entered along with 61 bred-and-owned bulls. The breeding cattle will be judged by Rex Harl, Hastings, Nebraska, and John Edwards, Colorado State University, Fort Collins, will judge the steers.

Nearly 80 youngsters from about 40 states will compete in the National Junior Angus Showmanship Contest. These boys

and girls have won the right to compete in the National contest by winning their respective state championship finals.

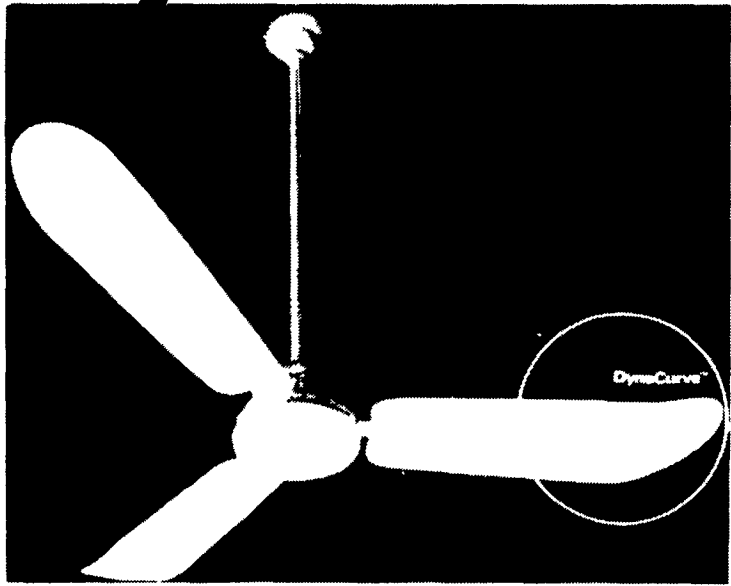
All cattle must be stalled by noon, Tuesday, July 15, and the kickoff event will be the 1986 Angus Beef Cookoff in the state fairgrounds Hospitality Barn.

The schedule of major events is:

|                           |   |
|---------------------------|---|
| <b>Tuesday, July 15</b>   |   |
| 12:00 - noon              | Entry check-in deadline   |
| 12:00 - noon              | 1986 Angus Beef Cookoff Hospitality Barn                              |
| 2:00 p.m.                 | Opening Ceremonies, Show Arena  |
| 2:30 p.m.                 | Steer Show  |
| <b>Wednesday, July 16</b> |   |
| 9:00 a.m.                 | Show Bred-and-Owned Bulls, Bred-and-Owned Heifers, and Cow/Calf Pairs |
| 6:30 p.m.                 | Family Barbecue, Food-A-Rama Building                                 |
| 7:30 p.m.                 | NJAA Open Meeting, Food-A-Rama Building                               |
| 8:00 p.m.                 | Angus Olympics  |
| <b>Thursday, July 17</b>  |   |
| 8:30 a.m.                 | Show Owned Heifers (through Junior Champion)                          |
| 2:00 p.m.                 | Showmanship Preliminaries   |
| 4:00 p.m.                 | NJAA Elections, Fairgrounds, Show Arena                               |
| 7:00-9:00 p.m.            | Pre-Teen Hospitality (movie & snacks), Holiday Inn East, Theatre      |
| 8:00-10:00 p.m.           | Adult Hospitality, Holiday Inn East, Holidome                         |
| 8:00-12:00 p.m.           | Teen Hospitality (dance), Holiday Inn East, Lincoln/Ford Rooms        |
| <b>Friday, July 18</b>    |   |
| 8:30 a.m.                 | Showmanship Finals, Fairgrounds, Show Arena                           |
| 9:30 a.m.                 | Show Owned Heifer Championships and groups                            |

# Keep **COOL** ... Everyday Specials

## DynaFlow



56" - METAL BLADES

### SPECIFICATIONS

|                          |        |
|--------------------------|--------|
| TM                       | UL     |
| Sweep                    | 56"    |
| Downrod                  | 30"    |
| Watts Consumption full   | 82     |
| Volts-amps at full speed | 84     |
| Power Factor             | 0.95-1 |
| RPM at full speed        | 280    |
| Amps at full speed       | 0.38   |
| RPM bottom speed         | 90     |
| Amps at bottom speed     | 0.22   |
| Air delivery (CFM)       |        |
| full speed               | 16,500 |
| Maximum air velocity     |        |
| Ft./M.                   | 650    |
| Gross Weight             | 32 lbs |

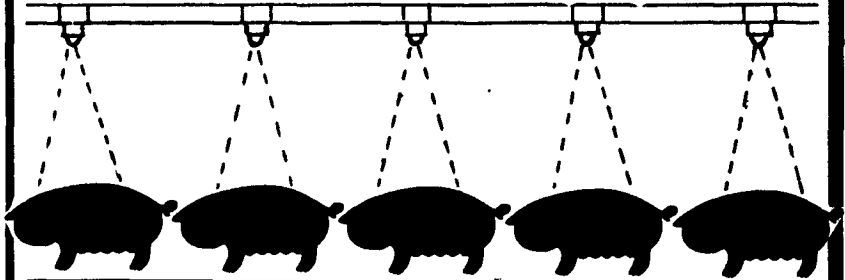
7 Year Warranty  
PLACE YOUR ORDER NOW

Reg. Price ..... \$89.00  
NOW ..... \$72.00

### FARMER BOY "HOG FOUNTAIN"

• Intermittent Drip Cooling • Spray Cooling  
The Perfect Cooling System For Sows In Farrowing, Gestation Stalls And Boars In Stalls

Check Our Prices... You'll Really Stay Cool



## SPRINKLER COOLING SYSTEM (Not Fogger) FOR HOGS

### THE PROBLEM

When the temperature goes up one of the first ways your body reacts is by breaking out in perspiration. That's nature's way of cooling off.

It's different with hogs. High temperatures cause them a great deal of stress because they can't sweat. When under this stress due to heat hogs will lose their appetite, weight gains drop, there is poor feed conversion, conception rate is reduced and pens become a mess. All of this adds up to lost profits.

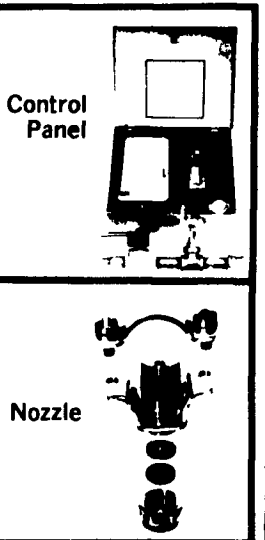
### THE SOLUTION

When the temperature is above 72° F even ventilation can't cure the stress that results. But a sprinkler cooling system can help your hogs where nature fell short, giving them a chance to cool off. It sprays them with coarse water droplets to reduce their body temperature. The idea is simple, but extremely effective.

### THE SYSTEM

The sprinkle cycle is turned on automatically whenever the barn temperature rises above a set temperature level. Throughout this "on" period the control functions to permit sprinkling to occur for a preset time period each hour (2 minutes/hour is recommended for best results). When the barn temperature drops below the set temperature level the cycle is automatically interrupted.

The nozzles are clamped to a plastic pipe strung over the gutter of slatted area at the rear of the pen. Each nozzle covers a 5.6 foot diameter area which usually means one nozzle per pen. The nozzle assures a coarse droplet spray pattern which is important for maximum cooling. A fine mist of fog is not desirable in geographical areas of generally high summer relative humidity.



SWINE & POULTRY SYSTEMS SPECIALISTS

## FARMER BOY AG. INC.

410 E LINCOLN AVE MYERSTOWN PA 17067 PH 717-866-7565  
BEST IN DESIGN, PRICE AND EXPERIENCE

## TWISTER HIGH EFFICIENCY FAN

Available In 36" And 48" Sizes

Twister Features Offer Real Benefits to Users

### FEATURES

- All galvanized construction - orifice, frame, motor base
- All aluminum six bladed propeller with cambered-twist blade and dihedral tip
- Streamlined orifice
- Premounted in particle board box
- Captured bearing arrangement
- Heavy duty, totally enclosed motors with sealed ball bearings
- Available mounted in galvanized slant housing with outlet guard
- Optional 1' x 2' wire screens

### BENEFITS

- Resists corrosion long lasting
- Provides high airflow with lower energy cost
- Insures lower flow resistance
- Makes for easy handling and installation
- Means low maintenance high efficiency
- Continuous duty energy saving long life
- Ideal for mounting in layer and breeder houses
- Premounted to particle board box frame

Available At A Good Price

