HITCH NOTE: A Gooseneck or heavy duty Ball Hitch maybe preferred – check Tractor & Truck Hitch Dimensions.

WINCH NOTE: Suggest Power Take off or 12-Volt Motor powered WINCH.

SIDE VIEW — WINGS NOT SHOWN

FLOOR PLAN

1. 6 Cows
2. 6 Calves
3. 2 Saddle Horses

1 + 2 + 3 = 25 Calves (400"")

ORIGINAL DESIGN: FRED VOORHEES,
YERBA BUENA RANCH, NOGALES, ARIZONA.
NOTE: Suggest TEGO SQUARE BOLT GATE LATCH for all 3 PARTITION GATES.

REAR VIEW of TRAILER w/LOADING RAMP DOWN, RIGHT WING IN CARRY POSITION & LEFT WING EXTENDED TO SHOW DETAIL.

SECTION 8-B FLOOR FRAME - TRUSS

NOTE: Other Wheel Systems may also be used in Tandem:
1. Straight Axle w/Leaf Springs
2. Straight Axle — no Springs
An increased Truss Clearance to 16" would be desirable for range conditions. This can be done by increasing Tire Size or via Raised Axle. Torsion Spring Axle is a short drop Axle that tends to drop slightly more as load increases.

CAUTION: Expected Maximum Load will approach 7 tons. Therefore, Specify each Axle & Wheel System to carry at least 3 1/2 tons (non highway use and less than 20 mph) when ordering from Carriage Manufacturer.

w) Cross Brace Locations — also suggested: Diagonal Braces from right front to left rear and left front to right rear of Trusses.

TANDEM AXLE w/TORSION SPRINGS

NOTE: 7.50 x 16 - 8 ply Agric. Implement Tires or
7.50 x 18 - 8 ply

FLOOR FRAME PLAN
PIPE FRAME & COLLAR OR HINGE SCHEDULE ALTERNATES

POST
SHOWN 1/2" x pipe 3.67 ft. 19° O.D.
ALT. 1. 2" x pipe 3.67 ft. 23 17/64° O.D.
ALT. 2. 2 1/2" x pipe 5.79 ft. 2.675" O.D.

HINGE OR COLLAR
2" x pipe 3.67 ft. 20.7° I.D.
ALT. 1. 2" x pipe 3.67 ft. 23.75° I.D.
ALT. 2. 2 1/2" x pipe 5.79 ft. 2.47° I.D.

Steel Plate for Wing Pin on both edges of ramp—not always used—depends on range topography.

Weld to 4" Channel
1" pin

(3) Hinges 5/8" x 2 1/2" x 8'

1 1/2" x pipe

Plate Floor

4" C

SECTION OF RAMP

2" x 2' L 2.44' /ft.

6'-6"

Zerk

HINGE A

2" x pipe 3.67 ft. 19° O.D.

HINGE B

stop 2" x pipe

HINGE C

HINGE C must be free to slide up - 4"

9/8" x 3" STEEL SPACER

SYMBOLS

Φ = DIAMETER
O.D. = OUTSIDE DIAMETER
I.D. = INSIDE DIAMETER
L = ANGLE
C = CHANNEL
S = STANDARD
xx = EXTRA STRONG
xxx = DOUBLE EXTRA STRONG