

DMK Scale Models

FOR S GAUGERS BY S GAUGERS

112 N. 3rd St.
Rogers, Arkansas 72756

S GAUGE STOCK PEN KIT

The stock pen model can be used as a shipping or receiving facility, either for the movement of cattle from one point to another or in connection with a meat packing operation. This pen will occupy an area of about 5" x 9".

The plan sheet is designed to be the template for this kit, lay it out on a flat surface and build directly on the print. Use the cement of your choice for assembly.

Start with Fig. E or F, the sideboards, $1/32 \times 1/8$, are placed in proper positions and allow the excess to overlap on each end. Tape across the stripwood ends to hold them firmly in place. Using the post extension lines as a guide, begin adding the fence posts, $1/8 \times 1/8 \times 1 \ 1/16$, to the side boards, being careful to maintain the bottoms of the posts at the same level. It will be easier to build the gates in place now and cut them apart after the side is complete or wait until the whole pen is assembled, then cut them apart and add the related details at that time. Vertical boards on the gates are $1/32 \times 1/8$ material and the diagonals are $1/32 \times 5/64$ as are the other diagonal braces. In Fig. E add the two $1/8 \times 1/8 \times 2 \ 1/4$ posts and the $1/32 \times 3/16 \times 1 \ 1/4$ header at the top of them. Fabricate Fig. F and insert the two $1/8 \times 1/8 \times 1 \ 7/16$ posts at the ramp sides.

Both ends are made from Fig. D, layout the side boards and add posts and diagonals.

The inner walls of the ramp sides are Fig's. A and B, carefully layout the sideboards on them. In Fig. A you deal with only two of the $1/8 \times 1/8 \times 2 \ 1/4$ posts shown - at the ramp's head and at the end of the inner fence. The $1/8 \times 1/8 \times 1 \ 7/16$ post is in the front fence section and will not be added until the ramp section is added to the front fence. Layout Fig. B in the same manner, here again don't worry with the last $1/8 \times 1/8 \times 2 \ 1/4$ post, it is in the back fence section.

When these sections are dry add Fig C, the pen side of the ramp fence, to the reverse of Fig. B. Remove the side from Fig. A and turn it over and lay it over the template of Fig. B. Fig. B contains within the drawing the post layout for the pen side of that fence section. Here you will add only one post, $1/8 \times 1/8 \times 1 \ 1/16$, which comes next to the position of the $1/8 \times 1/8 \times 1 \ 7/16$ post. Once the side built in Fig. B is complete from the overlay in Fig. C, layout a gate only in Fig. C - this gate will be used as the other ramp way gate.

Remove the board material from the ramp area of Fig. F and attach the front fence sections to the ramp fence sections.

Take the measurements on the ramp floor supports, $1/8 \times 3/16 \times 1 \ 1/4$, from Fig's. A or B and add them to connect the two ramp sides. Also add the headers at the top of the $1/8 \times 1/8 \times 2 \ 1/4$ ramp posts and also the top of the $1/8 \times 1/8 \times 2 \ 1/4$ posts at the rear of the ramp sides. Make sure the sides are square and allow them to dry in that fashion. Now the ramp floor can be added - sand a slight taper to the bottom ends of the five ramp boards, then glue the five $1/16 \times 3/16 \times 3$ ramp planks in place. Allow the excess floor material to extend out the front of the ramp. Try this where you plan to use it, make sure it will rise to car door level. Cut the planks off where you desire.

Now add the 1/32 x 1/32 x 1 pieces to the ramp way flooring, this will form the tread on the ramp. Depending on the age of your pen, you may want to have a couple of broken treads or at least some loose at one end.

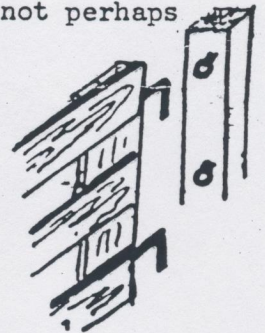
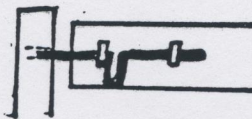
Add the remaining ends and the back side, cut out the gates and add the remaining headers to the gate support tower. This will tie the back section together.

The light fixtures are added as per Fig. H, use the heavy iron wire as a conduit and cement the reflector and bulb to the curved end of the conduit.

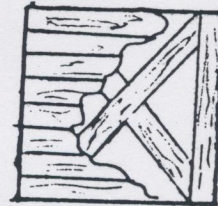
The gates are trussed with a hanger as shown in Fig. H, use the eye pins - cut them off and insert as shown. The light iron wire is used to form the truss hangers. Be sure to allow the gates to swing as indicated in Fig. G.

The hinges are fashioned from eye pins, if you want a working hinge. If not perhaps the Grandt Line hinge assortment (not provided) might prove helpful.

The latches are also formed from the eye pins or wire.



From the excess sideboard material a gang plank is made. This can be made about 1" square with cross braces on the back side. This would serve as the connection from the ramp to the car. It should lay inside the ramp way or on the ground leaning against the side of the ramp.



The superdetails are limitless - feeders can be made from the extra sideboard material too. The V type feeder would be easy to make.



The water supply could use a small valve casting on a riser coming up outside the pen and a water tank near the water supply.



Salt blocks should be about 1/8" cubes with a hole drilled in the top and bottom and mounted on a small pin or scrap of wood.

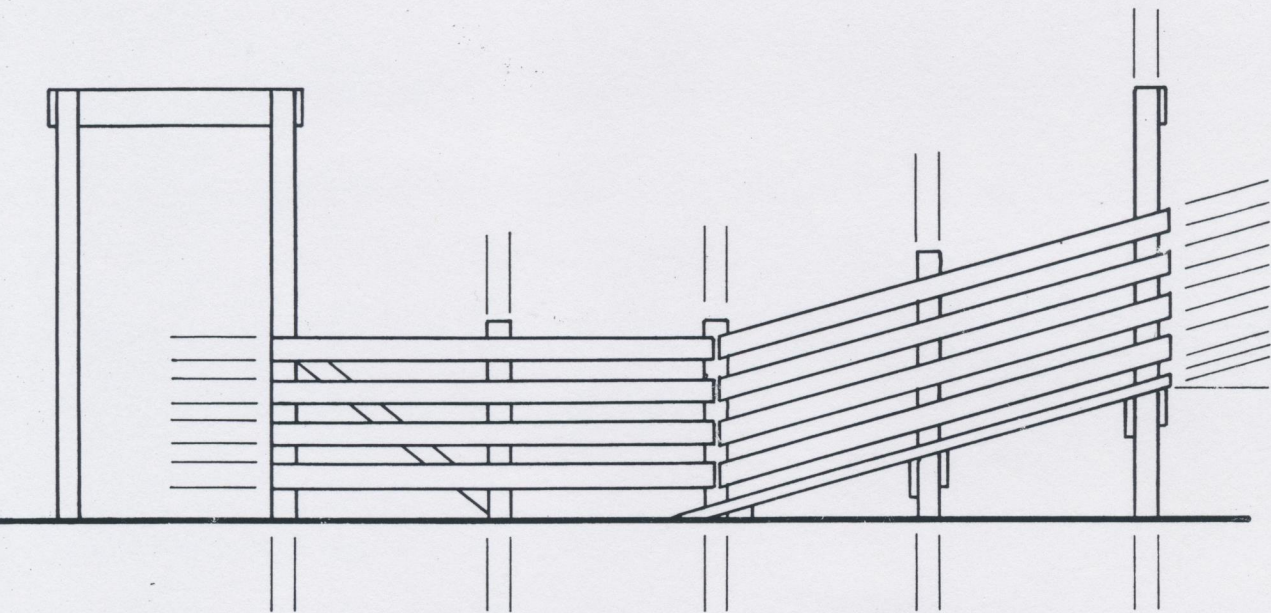


yellow - sulfur salt block
brown - mineral salt block
white - regular salt block

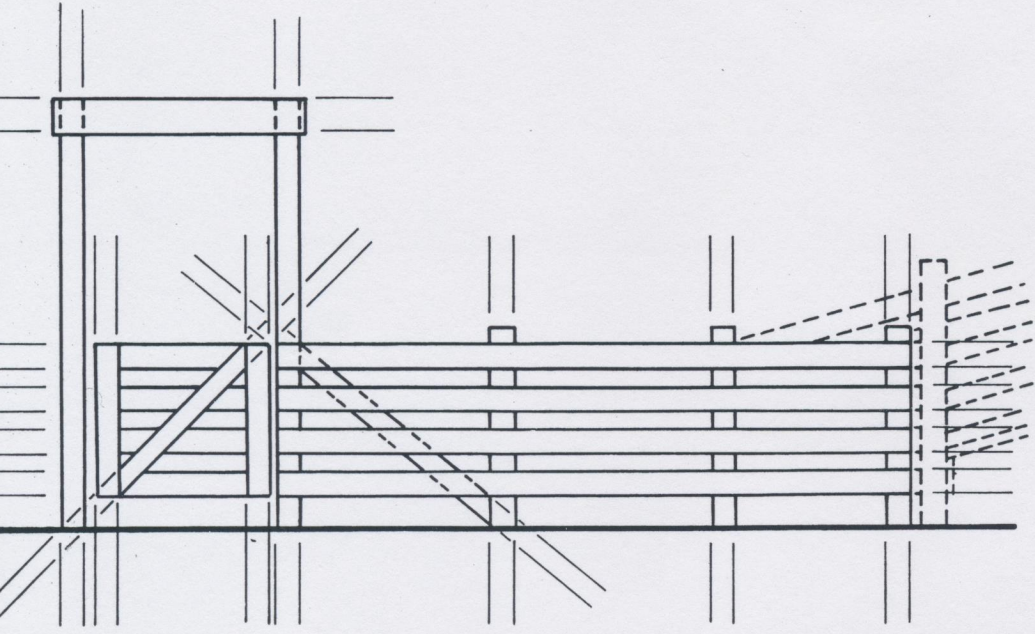
Of course you could use some cows, so could we; however, we did want to prove to you that this kit wasn't just a bunch of bull.

Thank you.

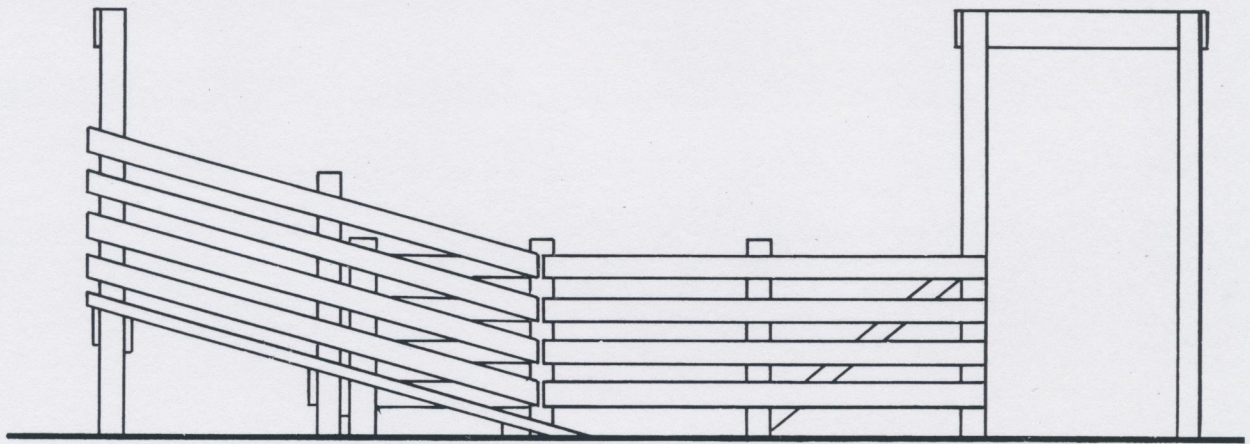
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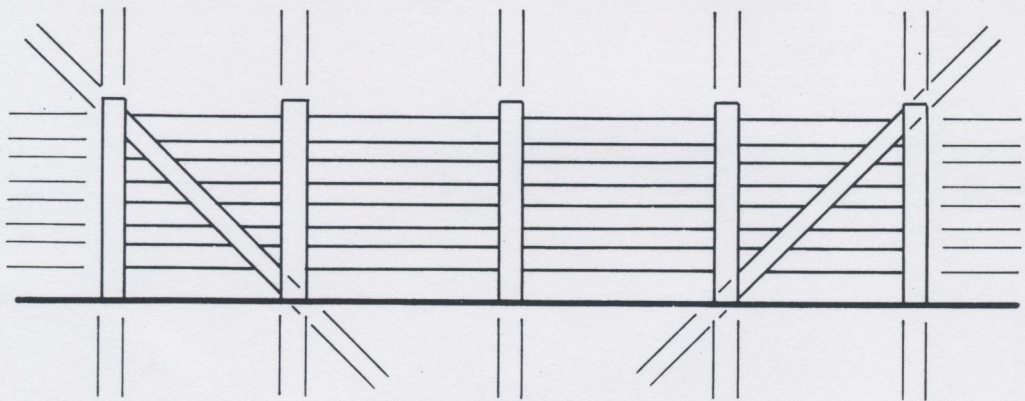
A



C



B



D

