



WOOL
HARVESTING
NOTE

NO: 1.112

DECEMBER 1980

GATE CATCHES: REMOTE OPERATION

In some situations in sheep yards, it is useful to have a gate catch which can be operated from a point some distance away from the gate. This may mean that the gate itself must be operated from the same point.

At this stage, the remote operation of catches and gates is achieved by using cords or cables together with spring or gravity forces. Diagrams 1 to 3 illustrate a system suitable for use with a working race.

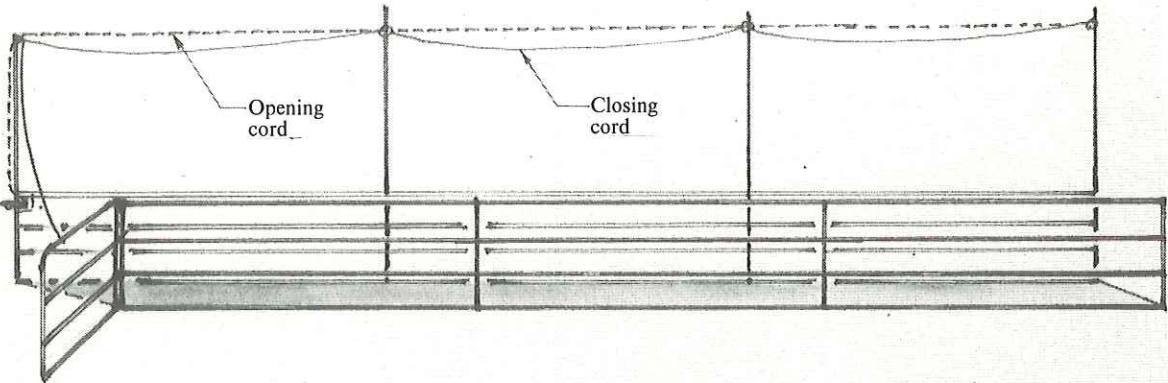


Diagram 1. Remote operation of a gate at the end of a working race from any point along the race

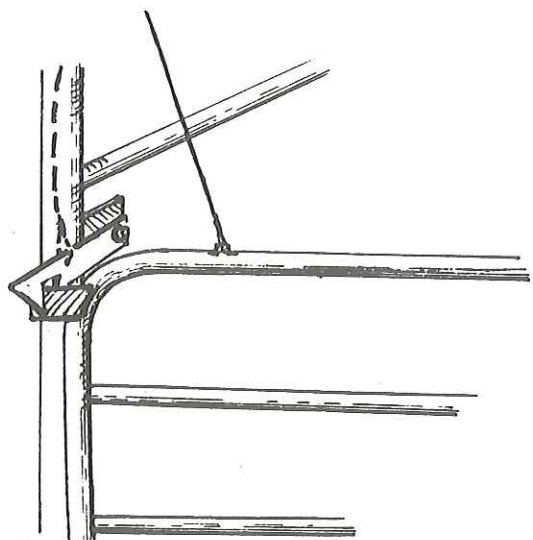


Diagram 2. The gate catch for the blocking gate at the end of the race in Diagram 1

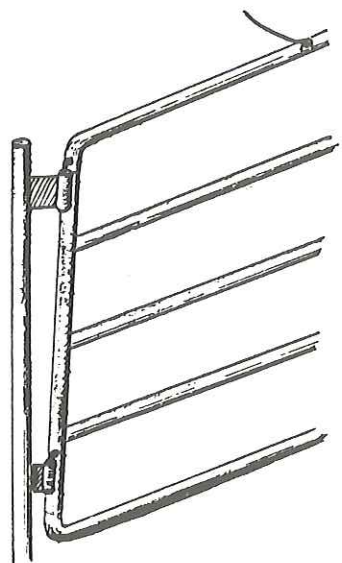


Diagram 3. The offset gate hinges which allow the gate to swing open when released

Another catch suitable for use with a gate at the end of a race is shown in Diagrams 4 and 5. It allows the gate to be opened or closed (depending on design) from the opposite end of the race. The catch is operated by a cable which passes through one of the pipe rails to a handle at the other end.

When the catch is released, the gate shown in Diagram 5, swings closed by means of spring hinges or by having the gate hinges offset as shown in Diagram 3.

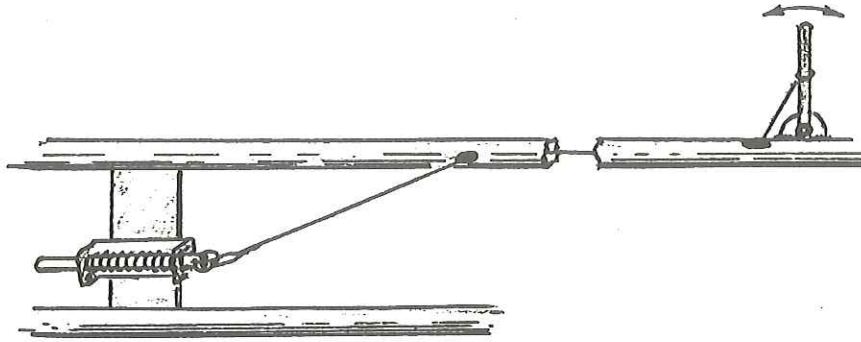


Diagram 4. Remote operation of spring loaded bolt catch

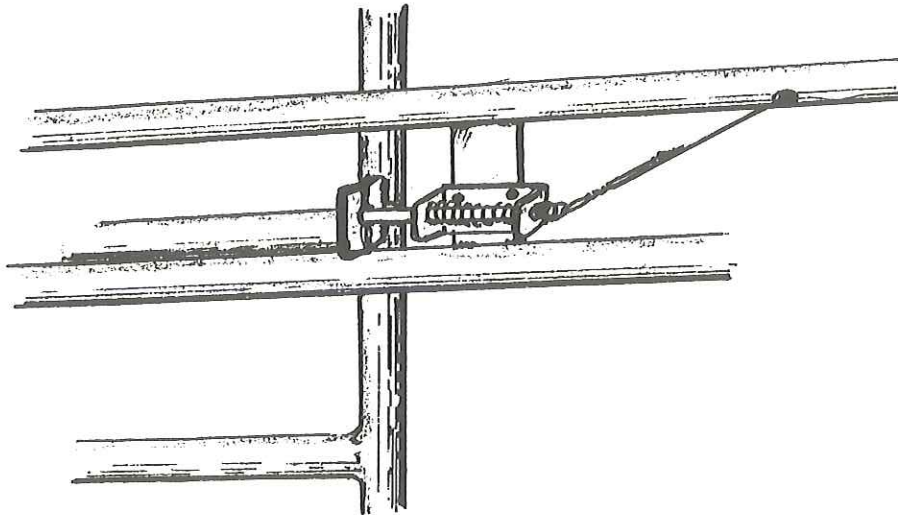


Diagram 5. A view of the catch showing the gate being held open

Diagram 6 shows a similar catch which can be used on a gate across a wide race or bugle. The catch can be operated from the hinged end of the gate while the operator stands outside the race or bugle.

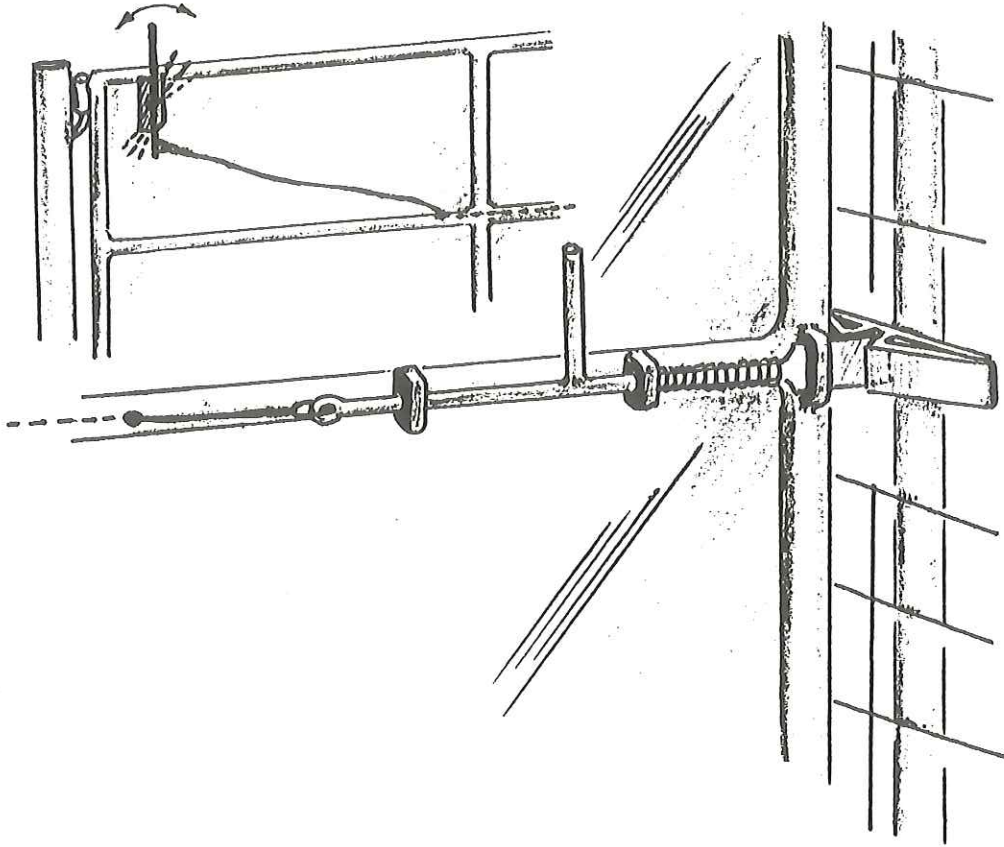


Diagram 6. A spring loaded catch which can be operated from the hinged end of the gate