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50,448/64

COMMONWEALTH OF AUSTRALIA

# PATENT SPECIFICATION

		Class	Int. Cl.
Application Number	50,448/64.	37.3; 81.8;	A01k; E04h.
Lodged	13th October, 1964.		

Accompanied by a  
Provisional Specification.

Complete Specification  
Entitled **PORTABLE STOCK DRAFTING YARD.**

Lodged	12th October, 1965.
Accepted	15th January, 1968.
Published	25th August, 1966.

Convention Priority -

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Related Art:	244,147(45,987/59)	37.3.
	206,509(15,111/56)	37.3.
	159,327(21,459/53)	37.3.

The following statement is a full description of this invention, including the best method of performing it known to US :

THIS INVENTION relates to a portable stock drafting yard.

The object of the invention is to provide a stock drafting yard which can be readily moved from one paddock to another.

Accordingly the invention resides in a portable stock drafting yard comprising a pair of spaced substantially vertical longitudinal wall members forming an elongated race, and a rigid substantially planar panel hinged mounted at each end of each of said wall members so that said panels can be pivoted about the ends of the wall members to lie against said wall members, one of said pair of longitudinal wall members, at a point adjacent one end of the race, being provided with a control gate forming part of said one longitudinal wall member, for controlling the movement of stock through the race.

The race may be detachably mounted on a wheeled axle or fitted with removable wheels in which case one end of the race is provided with a tow bar so that it can be coupled to a towing vehicle. Alternatively when the race is short, i.e. of the order of ten feet in length, it may be provided with means to enable it to be mounted on and carried by the three point linkage of a tractor. The panels may be detachably hinged to the race and to each other so that they can be disconnected if so desired.

The invention will be better understood by reference to the following description of one specific embodiment thereof shown in the accompanying drawings wherein:

Fig. 1 is a side elevation with the panels opened out;

Fig. 2 is a plan view with the panels on one side in the folded position and the panels on the other side opened out;

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Fig. 3 is a front end elevation with the foldable panels omitted; and

Fig. 4 is a perspective view showing one manner in which the yard may be used.

As shown in the drawings the race is substantially rectangular in plan and comprises a pair of longitudinal wall members 11 and 12 fabricated from tubular steel and covered with sheet metal the walls being joined together at the bottom by a number of transverse braces 13, 14 and 15. A tow bar 16 is fixed to one end of the race so that it projects forwardly, the forward end of the tow bar being provided with means (not shown) for coupling it to a towing vehicle. The forward end (that is the end to which the tow bar is fitted) of each wall is provided with a hinged control gate 17, 18 which swings inwardly on the inside of the race so that by opening one of the gates the stock passing through the race can not be diverted through the opening in the wall of the race. When both gates 17 and 18 are open simultaneously they come together to form a V which prevents stock passing through the race. One end of a panel 19 formed of a tubular frame fitted with arc welded mesh is hingedly mounted at each corner of the race and a second panel 20 is hingedly mounted on the outer end of the first panel 19 so that the second panel 20 can be folded to lie back against the vertical panel 19, and then both the panels folded back to lie alongside one wall of the race. Preferably the panels at one end of the race are offset from the walls of the race (see Fig. 3) so that they fit neatly over the panels at the upper end of the race when in the folded position. The transverse members 14 and 15 project beyond the sides of the race and are fitted with

suitable wheels which can be readily removed therefrom. Alternatively the race may be supported on an axle fitted at each end with a pneumatic tyred wheel the axle being detachably connected to the race transverse to and approximately at the centre thereof.

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In the folded position the portable yard can be towed from one paddock to another or from one property to another. When the position of use has been reached the wheels or the wheeled axle are removed and the race lowered so that it sits on the ground. The foldable panels are then opened out and, in conjunction with the fences of the paddock in which the race is located, used to form pens or yards into which the stock may be drafted. If the fences of the paddock are not suitably located the pens may be completed by using a length of arc mesh fencing and a number of steel fence posts driven into the ground at suitable intervals.

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One form of yard is shown in Fig. 4 of the drawings, the yard being located adjacent to fences 21 and 22 which come together more or less at right angles. The folded panels 19 and 20 on the front of the race are opened out so that the free end of the panels 20 meet the fence 21 to form a pen A whilst the folded panels at the rear left hand side of the race are positioned in conjunction with the fence 22 to form a pen B. The other folded panels on the rear right hand side of the race are used in conjunction with a length of temporary fencing 23 to form a chute C through which the stock can be guided towards the race.

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Whilst the invention has been described with particular reference to one specific embodiment it is not

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limited thereto. Many modifications are possible.

For example, two or more second panels may be hingedly mounted on the outer end of the first panel. Alternatively a third panel may be hingedly mounted on the outer end of the second panel.

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AMENDED

The claims defining the invention are as

follows:-

(1) A portable stock drafting yard comprising a pair of spaced substantially vertical longitudinal wall members forming an elongated race, and a rigid substantially planar panel hingedly mounted at each end of each of said wall members so that said panels can be pivoted about the ends of the wall member to lie against said wall members, one of said pair of longitudinal wall members, at a point adjacent one end of the race, being provided with a control gate, forming part of said one longitudinal wall member, for controlling the movement of stock through the race. (The 13th October, 1964).

(2) A portable stock drafting yard as claimed in Claim 1 wherein the race is mounted on a detachable wheeled axle or is provided with removable wheels, and is provided with a tow bar so that it can be coupled to a towing vehicle. (The 13th October, 1964).

(3) A portable stock drafting yard as claimed in Claim 1 wherein the race is provided with means for connecting it to the three point linkage of a tractor. (The 13th October, 1964).

(4) A portable stock drafting yard as claimed in any one of the preceding claims wherein the race is substantially rectangular in plan and said longitudinal wall members are joined together at the bottom of the race by a number of transverse braces. (The 13th October, 1964).



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(5) A portable stock drafting yard as claimed in any one of the preceding claims wherein the other of said pair of longitudinal wall members, at a point adjacent said one end of the race, is provided with a control gate, forming part of said other longitudinal wall member, for controlling the movement of stock through the race. (The 13th October, 1964).

(6) A portable stock drafting yard as claimed in any one of the preceding claims wherein said panels hingedly mounted at each end of said longitudinal wall members are each provided with a second similar panel hingedly mounted on the outer end thereof so that the second panels can be pivoted about the outer end of said panels mounted on said longitudinal wall members so that said second panels lie against said panels when said panels lie against said wall members. (The 13th October, 1964).

(7) A portable stock drafting yard as claimed in Claim 6, wherein the panels are detachably hinged together and to the race. (The 13th October, 1964).

(8) A portable stock drafting yard substantially as herein described and illustrated with reference to the accompanying drawings. (The 13th October, 1964).

DATED this twentieth day of October, 1967.

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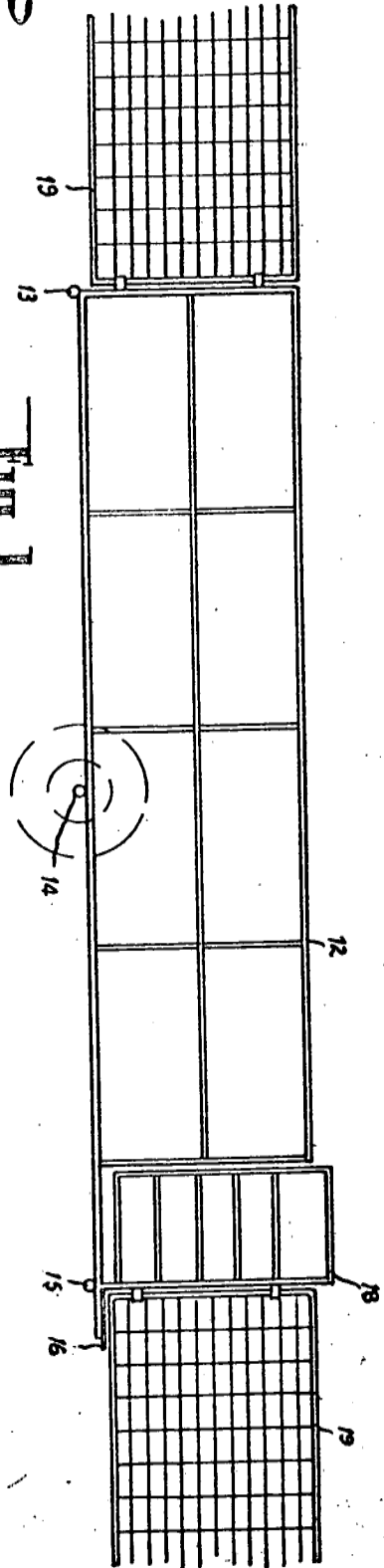


FIG. 1

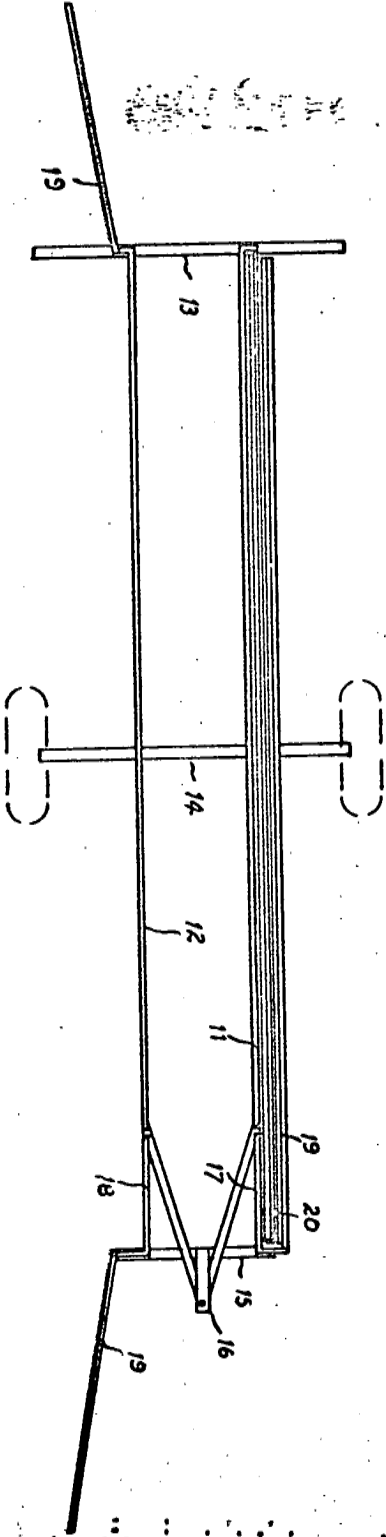


FIG. 2

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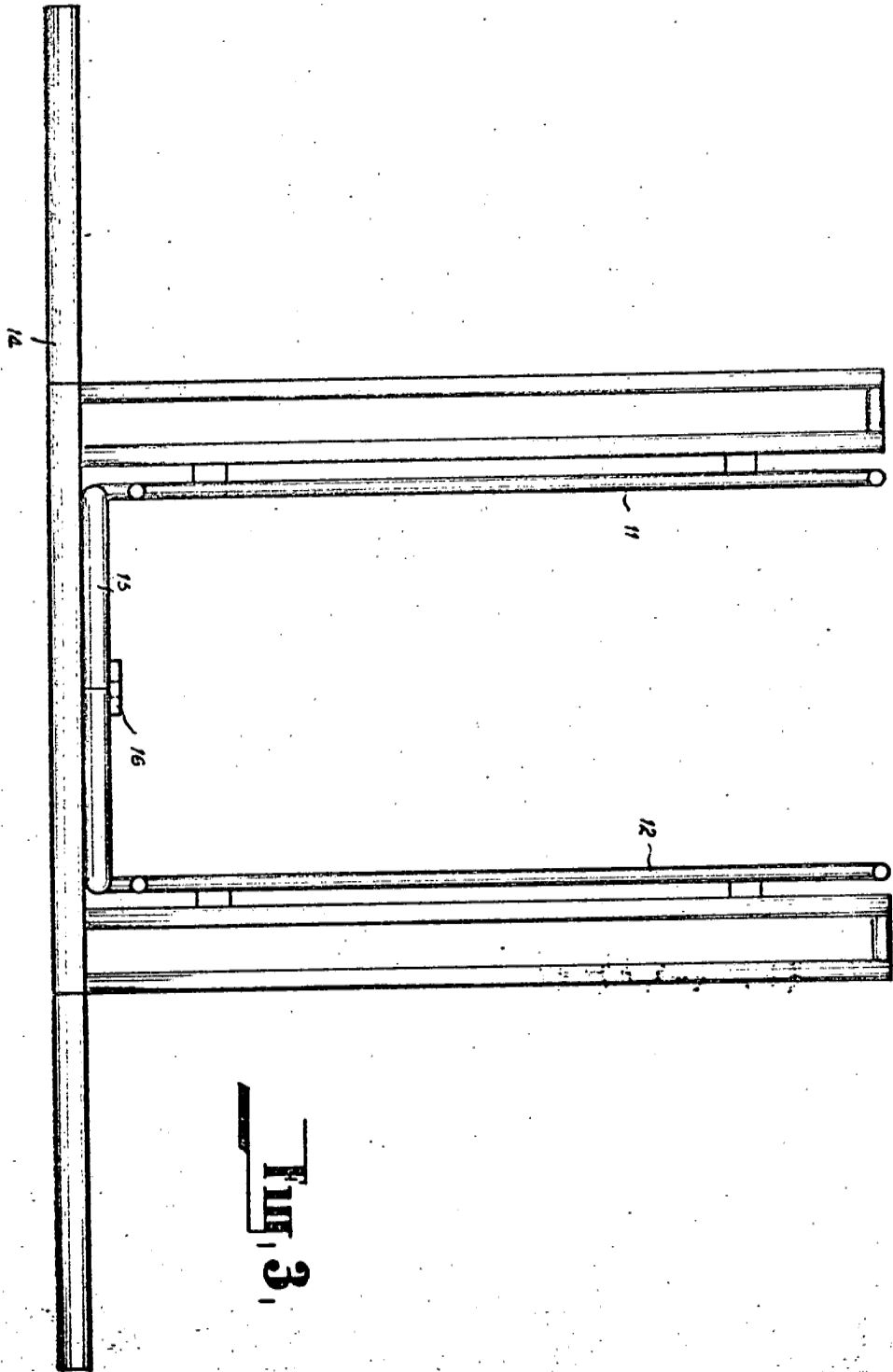


FIG. 3.

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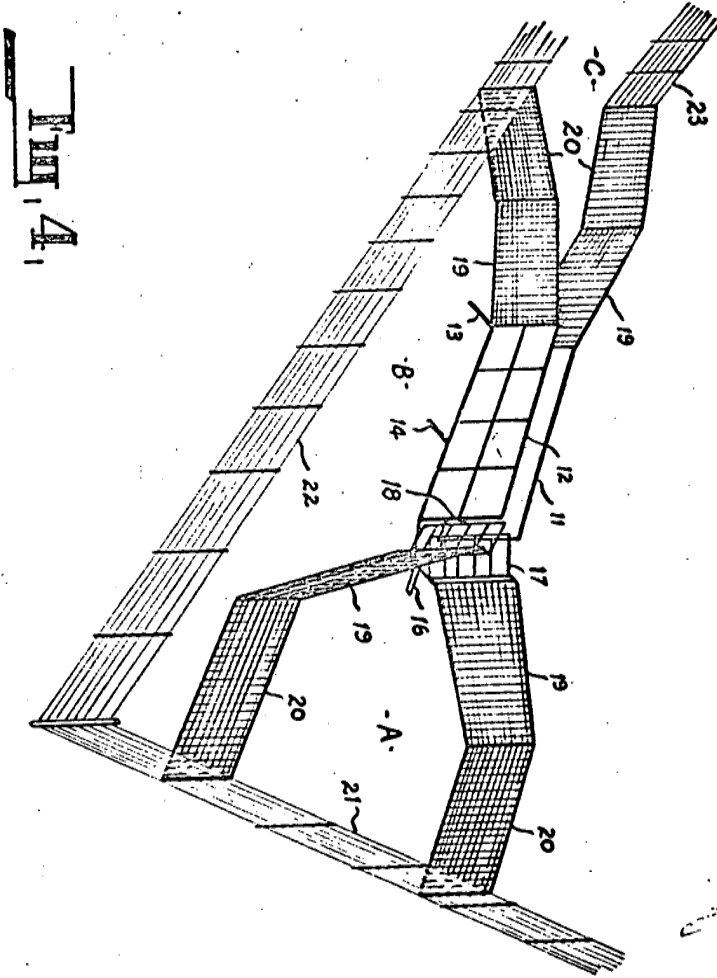


FIG. 4.

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