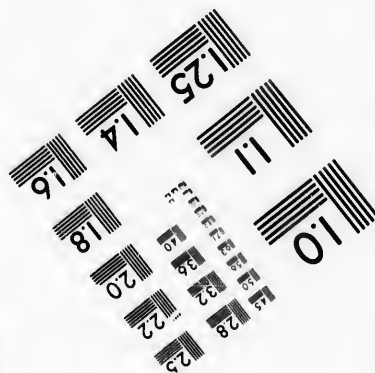
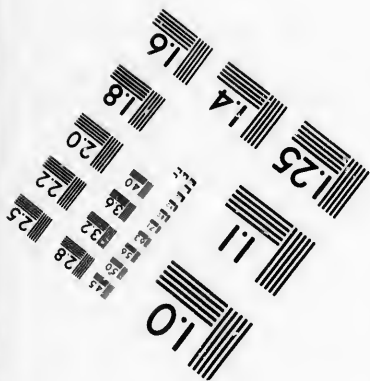
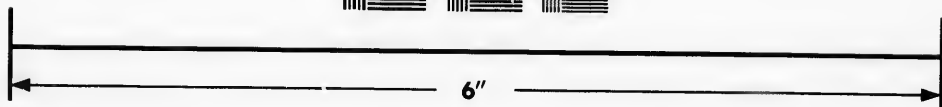
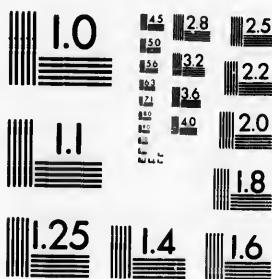


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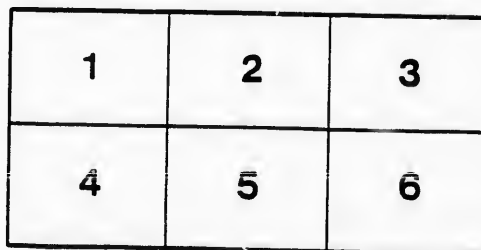
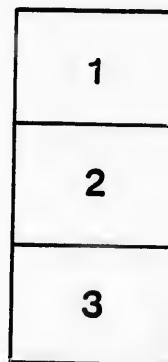
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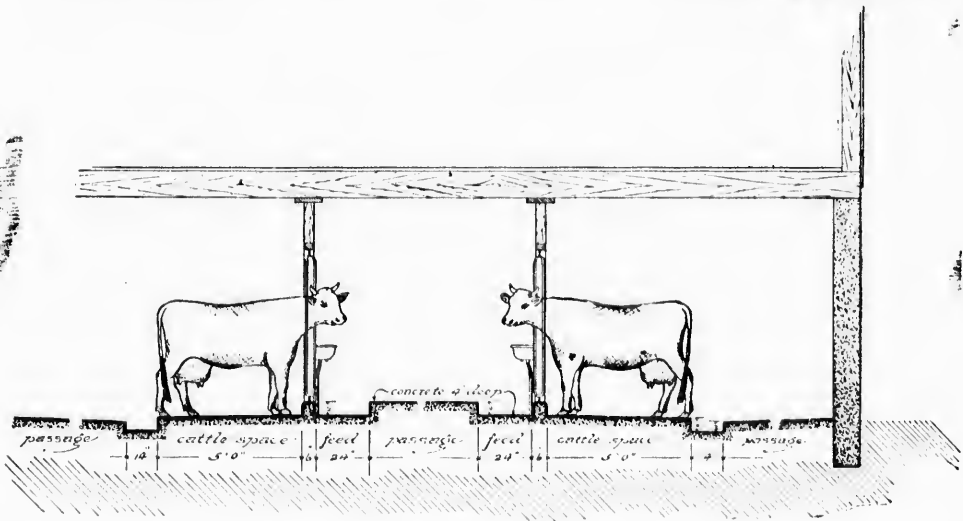
Rush's Patent U Bar Steel Rotary Cattle Stanchion

THIS Stanchion is made out of U Bar Carbide Steel, the lightest and strongest construction that it is possible to secure. The U shape is lined or filled with wood from top to bottom, so that the wood only touches the animal.

The locking device at top is simplicity itself, it being a positive fastening with nothing to get out of repair, and it works automatically. The fastening at top and bottom consists of a swivel and link, so that when the Stanchion is put in place it is very pliable, the motion forward and backward giving an animal great ease in lying down on either side and getting up, while the swivels allow any natural motion, enabling an animal to lie themselves as far back and as easily as if not confined, and to rest their head on their shoulder when lying down. We claim for this Stanchion absolute natural freedom for an animal same as if not confined, also saving in labor as a herd can be fastened in a few moments by any boy.



Patent Steel U Bar Stanchion



Cut showing an arrangement for cement floors and position of Stanchions and Watering Bowls.

The Metal Shingle & Siding Company,

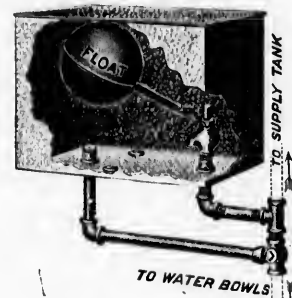
LIMITED

Preston, Ontario.

... **I**N connection with our Watering System there is a Float Box fitted with a Patent Automatic Regulating Valve, which may be adjusted to control the supply of water to each bowl, allowing whatever quantity may be desired to enter each bowl. This Patent Valve is the only one on the market which enables the complete system to be flushed out from pressure of water in supply tanks, thereby enabling the bowls to be kept sweet and clean, and not allowing any accumulation in any of the bowls or other parts of the system.

It is a very easy matter with our system to draw off all the water when the system is not required or when there is any danger of frost.

The supply of water to each bowl is drawn out direct from the main reservoir, and as the Patent Brass Ball Valve and Strainer at the bottom of each bowl prevents return of any water after it enters the bowl there is no danger with our system of the spread of any contagious diseases. Cuts, Figs. 1 and 2, show an opening in the bottom of water bowls which is closed with steel concave plates with rubber washer, and is held together with bolt and thumb nut. This opening is for the purpose of cleaning out the bowls when desired.



Cut of Float Valve which regulates supply of water to bowls.

Cut on Page 2 illustrates arrangement of Bowls, Float Valve and Piping, and the simplicity of the arrangement will appeal to any one, as it is not difficult to adapt the system to any stable independent of the Stanchions.

The system is not expensive when results are taken into consideration.

The old practice of turning out cattle to drink from a frozen trough is being rapidly discarded, for by such a practice no animal can do its best.

We frequently receive letters from our customers stating that after adopting our system that they are sure that they have saved one third of their feed while at the same time the flow of milk has been much greater. Now, if such results are possible, who can afford to be without our Watering Bowls? Any one will admit that where an animal has easy access to water of a proper temperature they thrive much better than when the supply is scarce, and no one can afford to turn a herd out of a warm stable to chill themselves by drinking at one time a day's supply of ice cold water. The cost of our System of supplying water will be repaid by increased returns from a herd in less than two years, to say nothing of convenience and satisfaction.

The METAL SHINGLE & SIDING CO.,

LIMITED

PRESTON, ONTARIO.

Patent Galvanized Steel Watering Bowls

Construction . .

In our Patent Galvanized Steel Bowls we make two constructions. Cut Fig. 1 shows our single bowl and method of installing or fastening it in place, while Fig. 2 shows construction of our Double Bowl. Cut Fig. 3 illustrates methods of fastening and using the Double Bowl. The Single Bowl is used in almost all new barns or where old stables are re-modeled. The Double Bowl is very serviceable in old stables, and is usually fastened through partition. In the construction of these bowls we use a good quality of stamping steel for the bowl proper, and a steel angular rim for the top of the bowl and when the construction is completed it is carefully galvanized, leaving no raw edges or parts which can rust. The formation of the bowl is such that the bottom is round and smooth causing them to be easily cleaned. In the two constructions of single and double bowls we are enabled to fit any kind of stalls with ease at a minimum cost.



FIG. 1.
Cut of Single Bowl, showing
method of fastening to stall

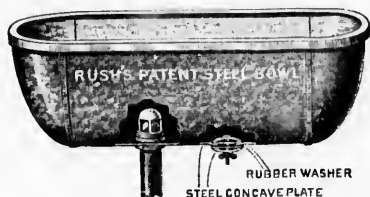


FIG. 2
Cut of Double Bowl.

It will be observed that at the bottom of each bowl there is an intake pipe, and that just inside of the bowl at the bottom there is located a brass valve seat and rubber ball inside of a brass cage. These three parts working in conjunction with each other compose a perfect working valve which prevents any refuse getting down into the intake pipe. They also prevent water flowing from one bowl to the other, and also regulate the flow of water into the bowls. Our object being to allow the water to enter the bowls slowly so that the stock will sip it instead of drinking in large draughts. The valve is screwed on the top end of the inlet pipe with a rubber washer between the valve seat and bottom of bowl and tightened up with a lock nut from underneath the bowl making it leak proof, and easy to attach or detach without removing the bowl. With this valve the water can be entirely shut out of any single bowl without interfering with the balance of the system, which will go on working as usual.

The steel angular rim on top edge of bowl is so placed that the one web of the angle is turned inward and forms a lip which prevents the stock from slopping water over the edge of the bowl.

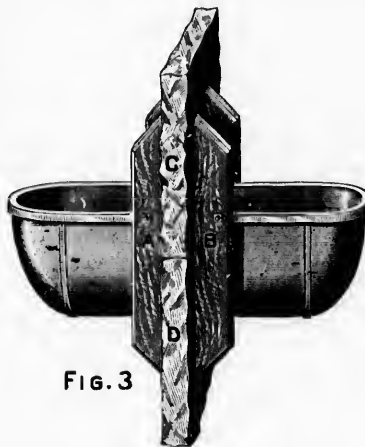


FIG. 3

Cut Fig. 3 shows how Double Bowl
is fastened through old partitions.

The Metal Shingle & Siding Co., Limited,

PRESTON, ONTARIO.

The Metal Shingle & Siding Company, Limited, Preston, Ontario.

WE manufacture all kinds and sizes of Galvanized Tanks. In their construction we use a heavy **Galvanized Angle Iron** Rim to which the sheets are closely rivetted and soldered, making a practically indestructible tank and one which should last a life time. These tanks are used largely with our Watering System for Supply tanks, and they are generally

located up in the barn in some convenient place, and by packing straw about them carefully there is no danger of freezing. The size generally used is the 6 x 6 tank.

Our Galvanized Watering Trough is much appreciated for out door use in summer. The herd can approach it from all sides, and those who have used them prefer them to



the customary straight troughs. They are made two feet deep and any diameter.

Price List

STANCHION.	
Including Swivel and Link at end, each....	\$ 2.00
SINGLE WATERING BOWL.	
Including Bowl, Cage and Valve, each.....	1.50
DOUBLE WATERING BOWL.	
Including Bowl, Cage and Valve, each.....	1.75
REGULATING FLOATING VALVE.	
Complete as per cut.....	6.00
SUNDRIES.	
1 inch Iron Pipe.....per foot.....	.07
1 " " " Galvanized " .....	.09
3/4 " " " Galvanized " .....	.05 1/2
3/4 " " " Galvanized " .....	.07
Reducing Tees, 1 x 3/4 inch, Black .....	.12
" " " 1 x 3/4 " Galvanized .....	.14
Straight Tees, 1 inch, Black .....	.12
" " " 1 " Galvanized .....	.14
1 inch. Plugs, Galvanized.....	.06
1 " " Black .....	.05
1 " " Elbows, Galvanized .....	.10
1 " " Black .....	.08
7/8 " " Galvanized.....	.08
7/8 " " Black.....	.06
Wire Wound, Rubber Hose, 1 inch, per ft..	.25

Price List

GALVANIZED TANKS.		
4 ft. high, 4 ft. diameter,	300 Gallons..	\$10.00
5 " " 5 " "	590 Gallons..	18.00
6 " " 6 " "	1000 Gallons..	24.00
8 " " 8 " "	2400 Gallons..	50.00
TANK WATERING TROUGH.		
2 ft. high, 4 ft. diameter	150 Gallons..	\$ 8.00
2 " " 5 " "	230 " ..	10.00
2 " " 6 " "	330 " ..	15.00
2 " " 8 " "	600 " ..	22.00

We can supply any other size tank wanted. In their construction we use 20 Gauge Galvanized Iron and heavier for very large tanks.

**We Guarantee all Tanks to be Well
Made and Durable.**

From the above Price List anyone can approximately determine prices of a complete outfit, but we gladly submit estimates when full particulars are sent us of requirements.

In addition to our Stable Fixture we manufacture a complete line of Metal Shingles, Siding, Ceilings, Corrugated Iron, Etc., Etc.

AGENTS WANTED . . where we are not represented

Patent Steel U Bar Rotary Stanchion

Particulars and Information

Almost every stable for cattle is provided with cement floors, the arrangement of which is largely a matter of individual requirements. We, however, ask for a careful examination of cut on page three, as it suggests a construction of much merit and one which is approved by the best dairymen of our country who have devised and adopted it. It is natural for an animal to eat from off the floor, and the idea of a raised manger or feed trough is unnatural, and does not give an animal proper exercise. A floor constructed in this way and where our Stanchion is adopted, a minimum of cost has been reached, as the Stanchion is not expensive, and no partitions or mangers are necessary and only wooden uprights and cross pieces to support Stanchion being needed. By this arrangement a stable is light and airy, having no cumbersome obstructions, and as intimated it is less expensive than the usual constructions adopted.

The width allowed for an ordinary animal is 3 feet with a floor length of 5 feet, which measurements of course have to be varied according to the breed and size of the cattle kept.

To fasten the stanchion at bottom we suggest that a U shaped iron be set in the cement the ends having bolt hole and being set level with the top of cement wall, and with a little cement work hollowed out so that a bolt can be passed through ends of iron and through link at bottom of stanchion. The U shaped iron should be about 3 inches wide and 4 inches down into cement, and set so that motion of Stanchion will be back and forward and not sideways. Cut on second page shows how fastening is made at top of Stanchion with bolt passing through cross pieces. The wooden uprights should be 2 x 6 of good material the lower end being bedded into the cement. The cross pieces may also be of 2 x 6. The distance from bottom of cross pieces down to top of cement wall is 56 inches, the extreme length of stanchion link to link end being 60 inches.

The standard width of Stanchions between wooden linings is 7 inches, however we supply wooden linings of any thickness to reduce width to fit any animal.



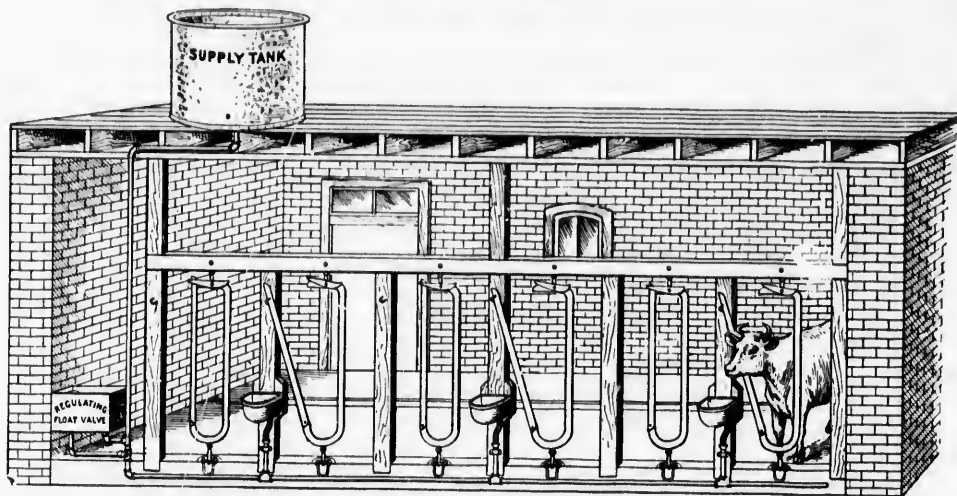
**We guarantee this Stanchion to be well made
and durable, and send samples where desired**

NEW STABLE FIXTURES

Stanchions and Watering Bowls

No others like them
in the world.

They are profit yielders to any one who
owns cattle.



This cut illustrates the method of using our PATENT STABLE FIXTURES, and we ask that it be carefully examined. Only a light wooden frame is necessary to support the Stanchions. No partitions or wooden mangers are necessary, consequently every part of the stable is light and airy with no dark corners to accumulate dirt.

The cut plainly shows how to conduct water from supply tank to watering bowls, which are located between animals. The supply of water is automatically regulated by the Float Valve. A supply of water the same temperature as the stable in easy access to the stock when wanted will cause them to thrive on a reduced quantity of feed.

Please read and carefully examine descriptions on accompanying pages.

These New Stable Fixtures are manufactured only by

The METAL SHINGLE & SIDING CO., Limited,
Preston, - Ontario.

