




HOW A PARRY STORAGE UNIT IS BUILT – COMPONENTS NEEDED AND THE BUILDING PROCESS

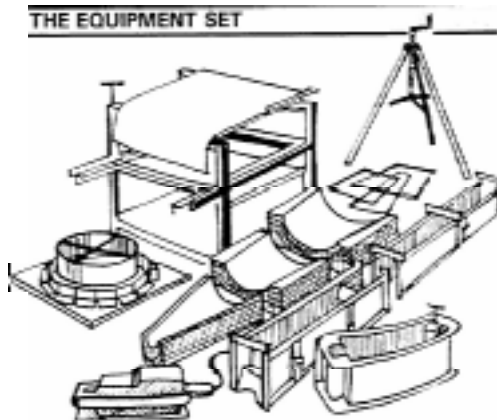
RAW MATERIALS USED:-

2 CUBIC METRES OF AGGREGATE
 1.5 CUBIC METRES OF SAND
 30 METRES OF 10MM BAR
 24 BAGS OF CEMENT

TO BUILD A PERMANENT STORAGE UNIT (put up with less than a weeks work) OF BETWEEN 1.5 AND 3 METRES IN HEIGHT AND WITH A CAPACITY OF 18500 LITRES OF WATER OR 20 TONNES OF GRAIN FOR A TOTAL COST OF LESS THAN £250 IN MATERIALS.

DIMENSIONS AND CAPACITIES

			
Diameter	2m	3m	4m
Height	3m	2m	1.5m
Capacity	9,500 l	14,000 l	18,500 l



THIS IS A HIGH QUALITY, LOW COST SOLUTION. WITH THE SMALLEST SET OF PRODUCTION EQUIPMENT COSTING LESS THAN £2500 A BUILDING CONTRACTOR CAN PUT UP ONE 20-TONNE UNIT A WEEK.

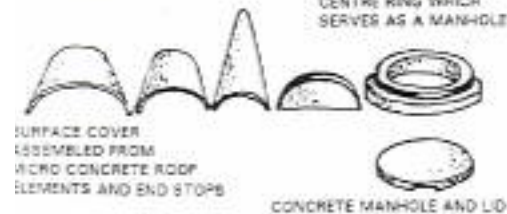
ALL EASILY PRODUCED ON THE PARRY EQUIPMENT DESCRIBED IN THIS LEAFLET



CURVED WALLS CONSTRUCTED WITH INTERLOCKING CONCRETE BLOCKS - THREE SIZE OPTIONS

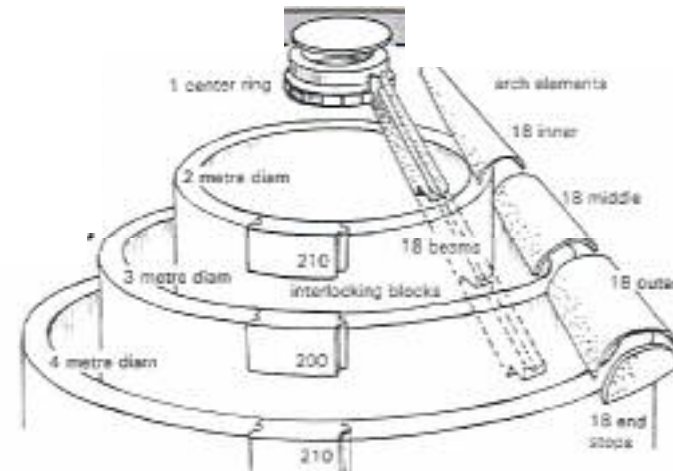


ROOF STRUCTURE MADE FROM LIGHTWEIGHT REINFORCED CONCRETE BEAMS BRACED AGAINST A CENTRE RING WHICH SERVES AS A MANHOLE



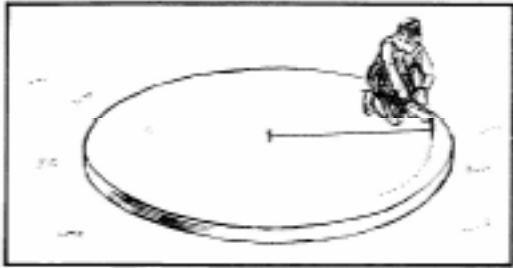
SURFACE COVER ASSEMBLED FROM MICRO CONCRETE ROOF ELEMENTS AND END STOPS

CONCRETE MANHOLE AND LID

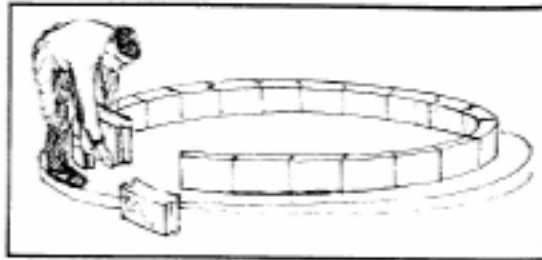


EXISTING OPTIONS:- THREE SIZES OF MOULD ARE CURRENTLY AVAILABLE TO PRODUCE TANKS AND STORAGE SILOS. THESE ARE 2 METRE, 3 METRE AND 4 METRE DIAMETER. MOULDS FOR 5 METRE AND 6 METRE DIAMETER WOULD NEED TO BE SPECIALLY MADE.

HOW A PERMANENT STORAGE UNIT IS BUILT



1. Build circular concrete base slab and mark out the circumference of the tank to be built.



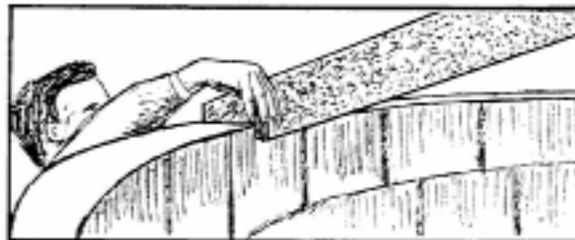
2. Place first row of blocks in position interlocking each block to make circle. Mortar in between blocks to make a strong joint.



3. Build up tank row by row mortaring into place until desired height is realised. Plaster the inner surface to seal against leakages.



4. The roof structure is assembled by suspending the centre manhole ring from the tripod jack and placing beams in position.



5. The notches in the beams fit over the walls and on to the centre ring.



6. 18 beams are fitted in position the jack is removed.



7. The arch elements fit into the grooves on the beams. The end stops are mortared in position.



8. Access to the interior is through the centre manhole which has a removable concrete cover.

PARRY ASSOCIATES ARE STRONGLY COMMITTED TO THE PROVISION OF TRAINING AND TECHNICAL SUPPORT.

CUSTOMERS STAFF CAN ATTEND COURSES OF FAMILIARISATION AT OUR CRADLEY HEATH HEADQUARTERS IN THE UK OR WE CAN ARRANGE FOR A TECHNICIAN IN AFRICA TO TRAVEL TO THE CUSTOMERS PROJECT BASE.