SHEET 2

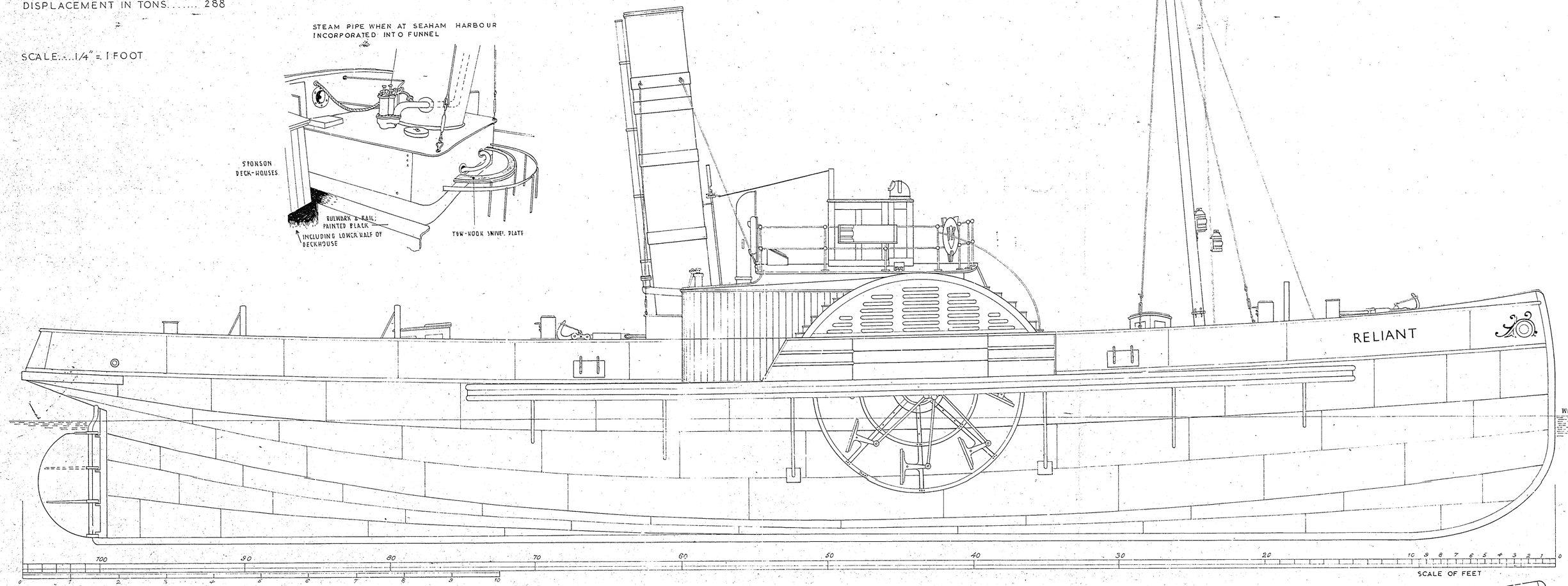
NOTE: THIS SHIP MAY BE BUILT EITHER AS WHEN WORKING ON THE MANCHESTER SHIP CANAL OR AS LATER AT SEAHAM HARBOUR, THIS PLAN GIVING DETAILS FOR BOTH PERIODS

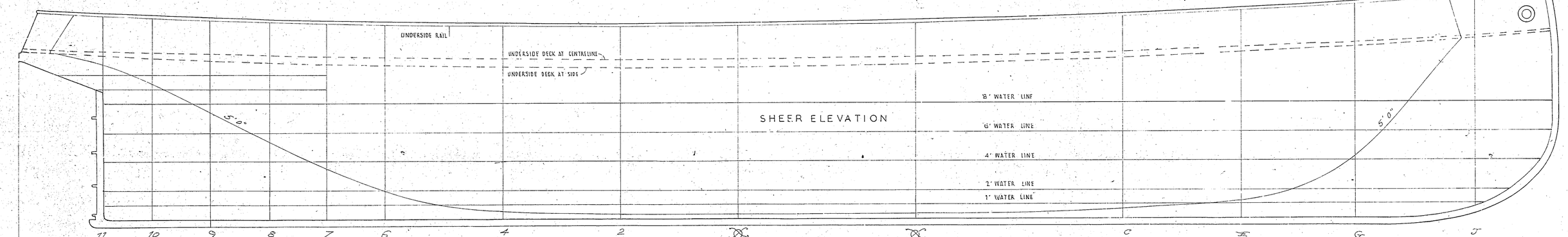
THE 2 PADDLE TUGS BUILT FOR MANCHESTER SHIP CANAL CO. BY J.T. EITRINGHAM PRECEDING "OLD TRAFFORD" WERE "ECCLES" & "IRLAM" IN 1905. THE NEXT 2 WERE "ASTON GRANGE" & "OLD TRAFFORD", MACHINERY FOR ALL 4 BEING MADE BY HEPPLE & CO. S. SHIELDS. IN OCT. 1950 "OLD TRAFFORD" WAS SOLD FOR FURTHER SERVICE TO RIDLEY TUGS OF NEWCASTLE, WHO RE-NAMED THE SHIP "RELIANT," & IN 1951 SHORTENED THE SPONSONS TO THEIR PRESENT LENGTH OF 60', THE TUG WORKING IN THE RIVERCE FOUR YEARS LATER SHE WAS TRANSFERRED TO SEAHAM HARBOUR AUTHORITY, WHERE SHE REMAINED IN SERVICE TO THE END OF HER CAREER. "RELIANT" IS NOW ON PERMANENT EXHIBITION AT THE NATIONAL MARITIME MUSEUM AT GREENWICH, LONDON.

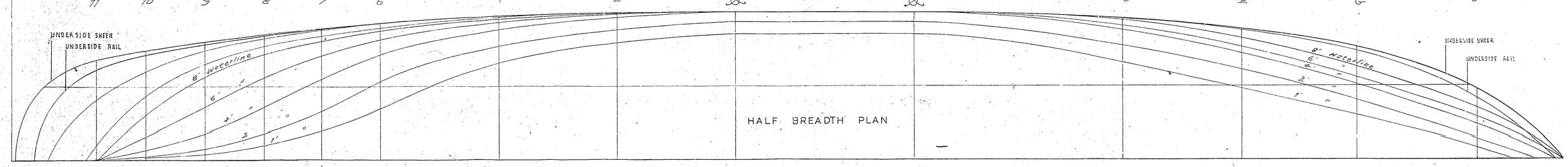
PS RELIANT — 1907 — STEEL STEAM PADDLE TUG

LENGTH O.A.	105' 3"
BEAM EXTREME	20' 0"
DRAUGHT OF WATER	8' 0"
DISPLACEMENT IN TONS	288

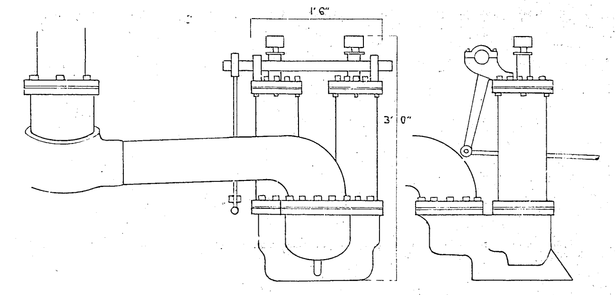
SCALE....1/4" = 1 FOOT



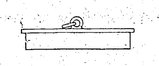




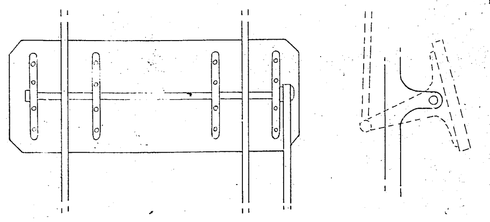
SCALE OF DETAIL DRAWINGS = NOT TO SCALE WHERE MARKED N.S — OTHERWISE AS STATED ON DIAGRAM.



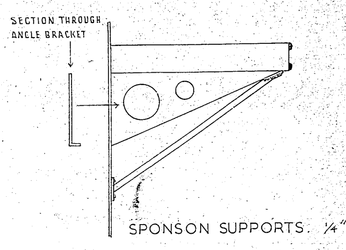
STEAM COMPRESSION CYLINDERS P & S OF FUNNEL
NOT TO SCALE



HATCH IN FRONT OF CYLINDERS. 1"

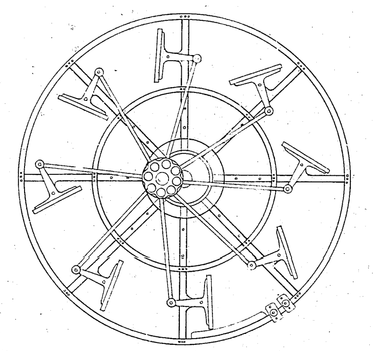


PADDLE BOARDS & PIVOT ARMS. 1/2"

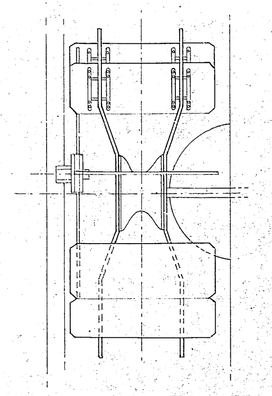


SPONSON SUPPORTS. 1/4"

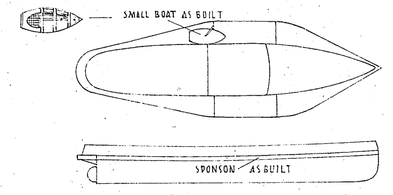
← SECTION THROUGH HAWSE-HOLE, FORE & AFT



PADDLE WHEELS
PORT-SIDE WHEEL



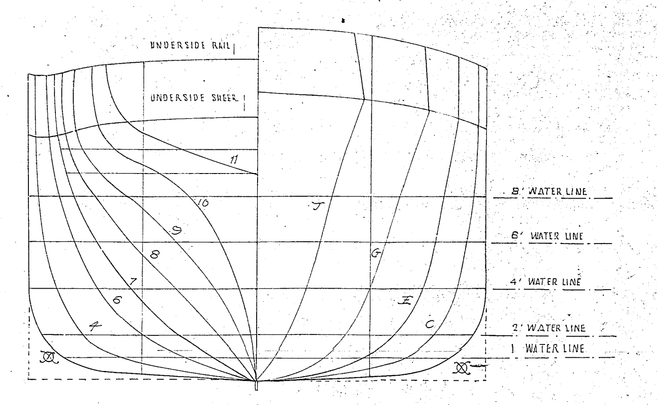
PLAN

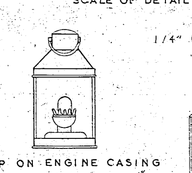


ORIGINAL LENGTH OF SPONSONS

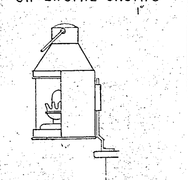
SPONSONS AS BUILT IN 1907 RAN FULL LENGTH OF SHIP. SHORTENED 1951 BY RIDLEY TUGS LTD. THE SMALL BOAT ORIGINALLY CARRIED IS SHOWN

BODY PLAN

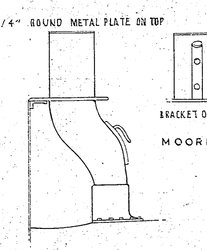




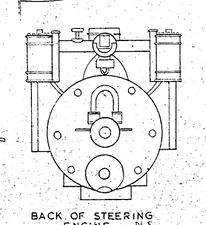
LAMP ON ENGINE CASING 1"



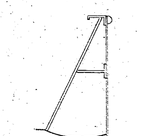
AFT END OF ENGINE CASING



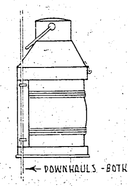
MOORING POSTS 8"



BACK OF STEERING ENGINE. N.S

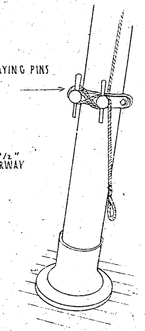


RAIL STANCHIONS. 1/4" SECTION THROUGH BULWARK & WATERWAY

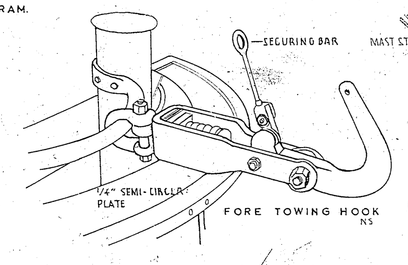


STEAMING LIGHT. 1"

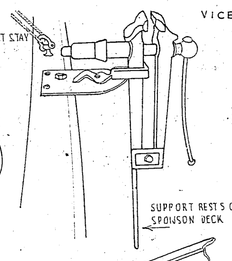
STEEL DECKING



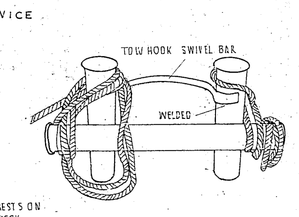
MAST N.S



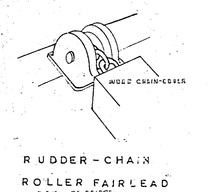
FORE TOWING HOOK N.S



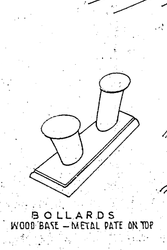
SUPPORT RESTS ON SPONSON DECK



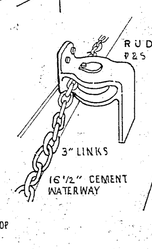
TOWING BOLLARDS SHOWN IN USE

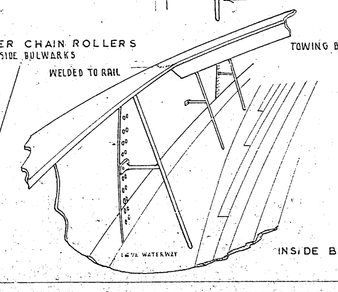


RUDDER-CHAIN ROLLER FAIRLEAD P & S OF RUDDER

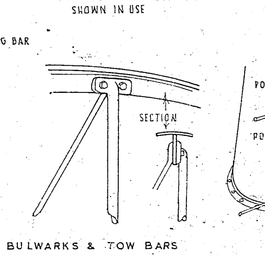


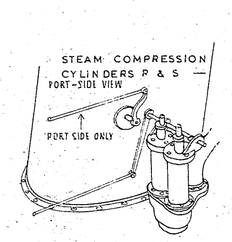
BOLLARDS
WOOD BASE - METAL PATE ON TOP

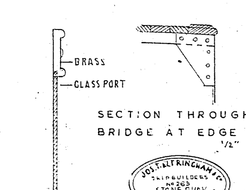




INSIDE BULWARKS & TOW BARS



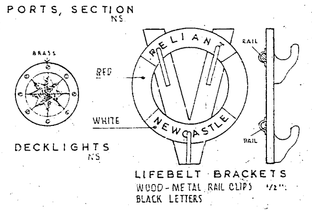




SECTION THROUGH BRIDGE AT EDGE 1/2"

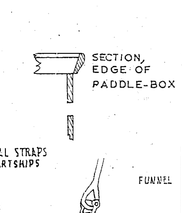
BUILDERS PLATE & BASS PLATE - WOOD BASE 1"

PORTS, SECTION N.S



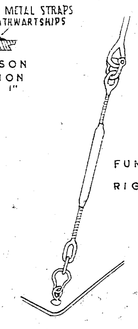
DECKLIGHTS N.S

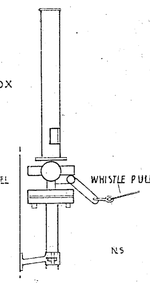
LIFEBELT BRACKETS
WOOD-METAL RAIL CLIPS 1/2". BLACK LETTERS

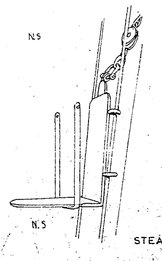


1/2" X 3" METAL STRAPS RUNNING ATHWARTSHIPS

SPONSON SECTION 1"



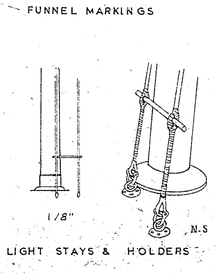




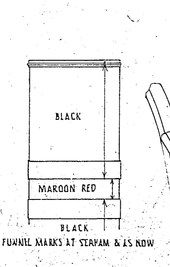
N.S

1907 TO 1950
COLOUR SCHEME AS "OLD TRAFFORD"

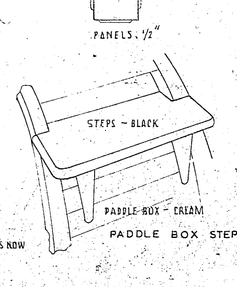
HULL	AS NOW MINUS WHITE DECK-LINE
INSIDE BULWARKS	SELF OAK
PADDLE BOXES	WHITE
ENGINE CASING	OAK GRAINED
MAST	VARNISHED WOOD
WHEELHOUSE	VARNISHED TEAK
NAME & DRAUGHT MARKS	YELLOW
FUNNEL MARKINGS	



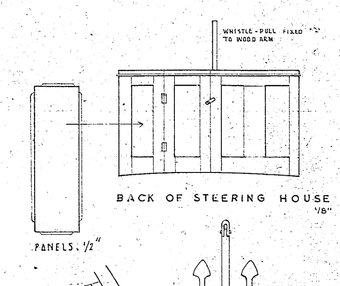
STEAMING LIGHT STAYS & HOLDERS



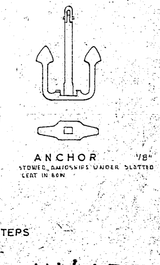
FUNNEL MARKS AT SEAHAM AS IS NOW



PADDLE-BOX - CREAM
PADDLE BOX STEPS



BACK OF STEERING HOUSE 7/8"



B.N. WILSON. MARCH 1972

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W/6B