

TYPES OF BULK CARRIERS

Cape Size Bulker

A bulk carrier that is too large to pass through the Suez Canal fully laden or through the Panama Canal. When fully laden, they have to round the Cape on voyages from Australia to Europe, hence the term Capesize. They are over 180 000 tons deadweight, about 250 to 400 metres long, and carry coal or iron ore. (Vessels close to 400 000 tons deadweight are often called Vale-max Ore Carriers and carry only iron ore.)



Panamax

A vessel that can pass through the Panama Canal fully laden. Typically the largest Panamax ships are about 100 000 tons deadweight and between 220 and 310 metres long. Panamax bulkers generally carry coal, iron ore, grain, or some neo-bulk cargoes.



Supramax

A bulk carrier of around 50 000 to 70 000 tons deadweight, is around 190 to 200 metres long, and carries all types of minerals, grain, fertilizers, or neo-bulk cargoes.



Handy Size

A bulk carrier that can pass through all major canals and is about 25 000 to 30 000 tons deadweight, about 150 to 180 metres in length, and carries all types of minerals, grain, fertilizers, or neo-bulk cargoes.



Bulk Cargo

Cargo of one type that can be loaded and discharged en masse, often by using chutes, conveyor systems, skips or grabs, e.g. grain, coal, iron ore, phosphates, woodchip, manganese.

Neo-bulk Cargo

Cargo that, while shipped en masse, is composed of individual items, e.g., rolls of steel; rolls of newsprint; palletized metal ingots; blocks of granite, timber, pig iron, or aluminium ingots.

NOTE :

A HANDYMAX BULK CARRIER IS A VESSEL BETWEEN THE SIZE OF A HANDYSIZE AND A SUPRAMAX BULK CARRIER

This poster was commissioned by the French Embassy in South Africa, Lesotho and Malawi in support of the strengthening of maritime education in South Africa

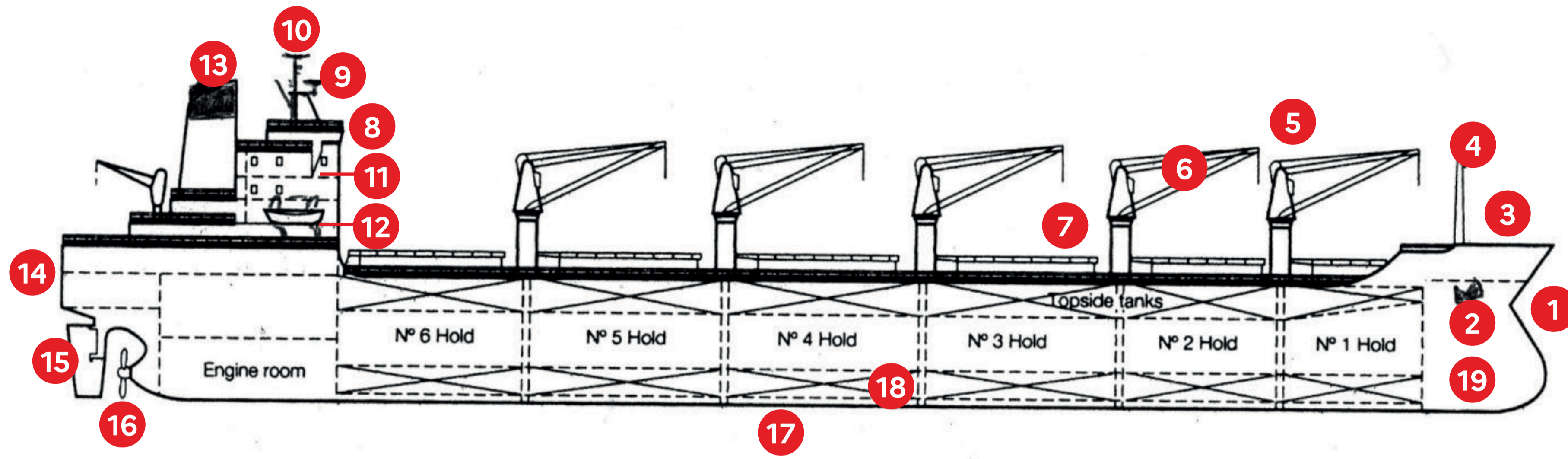


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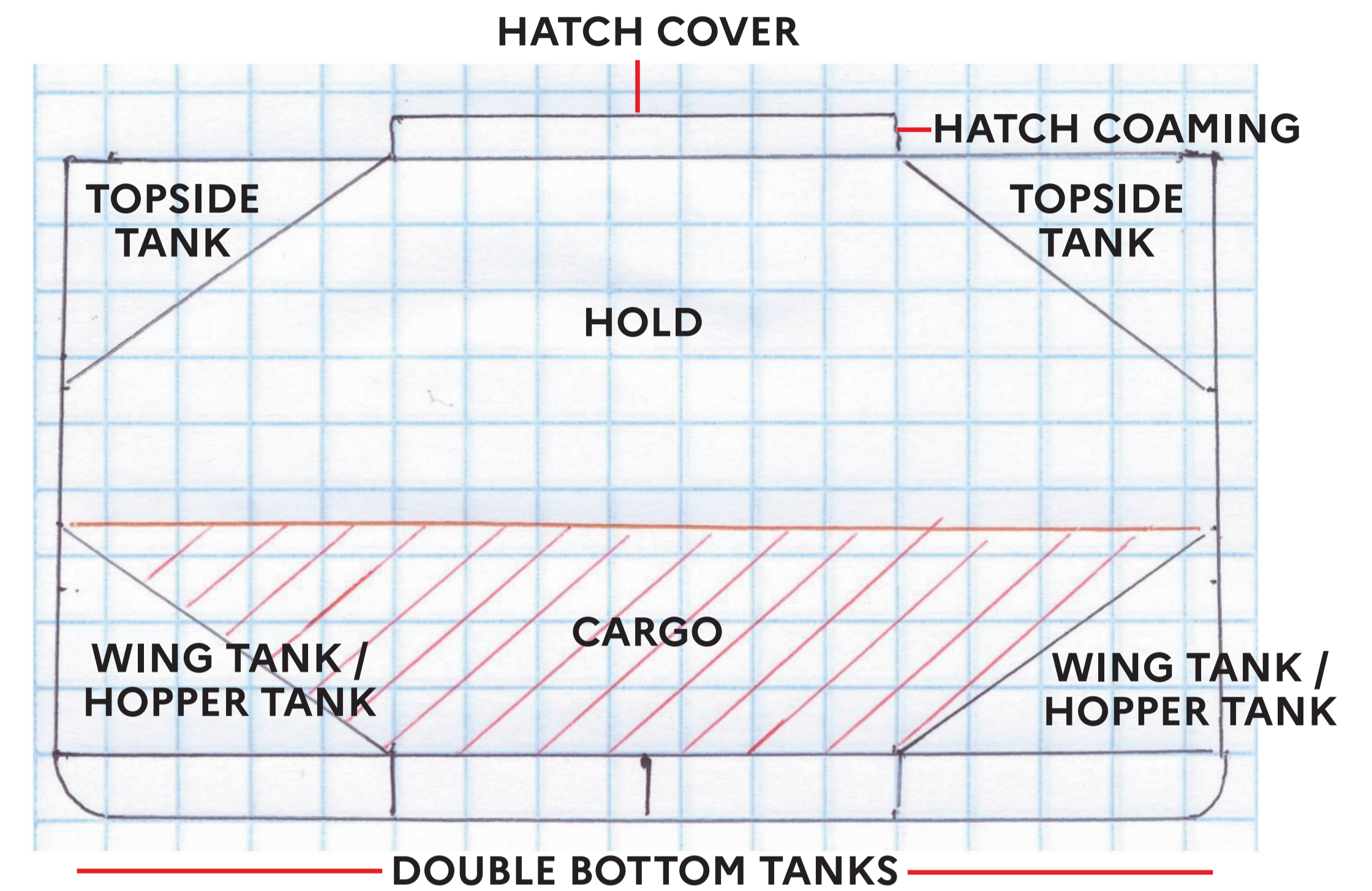
BULK CARRIER – GENERAL ARRANGEMENT



- | | | | |
|--------------|--------------------------|-------------------|------------------------------|
| 1 BOW | 6 CRANE JIB | 11 SUPERSTRUCTURE | 16 PROPELLER |
| 2 ANCHOR | 7 HATCH COVER | 12 LIFEBOAT | 17 KEEL |
| 3 FORECASTLE | 8 BRIDGE / WHEELHOUSE | 13 FUNNEL | 18 BOTTOM TANKS / DEEP TANKS |
| 4 FOREMAST | 9 RADAR MAST / MAIN MAST | 14 STERN | 19 FOREPEAK TANK |
| 5 CRANE | 10 RADAR SCANNER | 15 RUDDER | |

NOTE THE POSITION OF
THE TOPSIDE TANKS

BULK CARRIER – CROSS SECTION THROUGH HOLD



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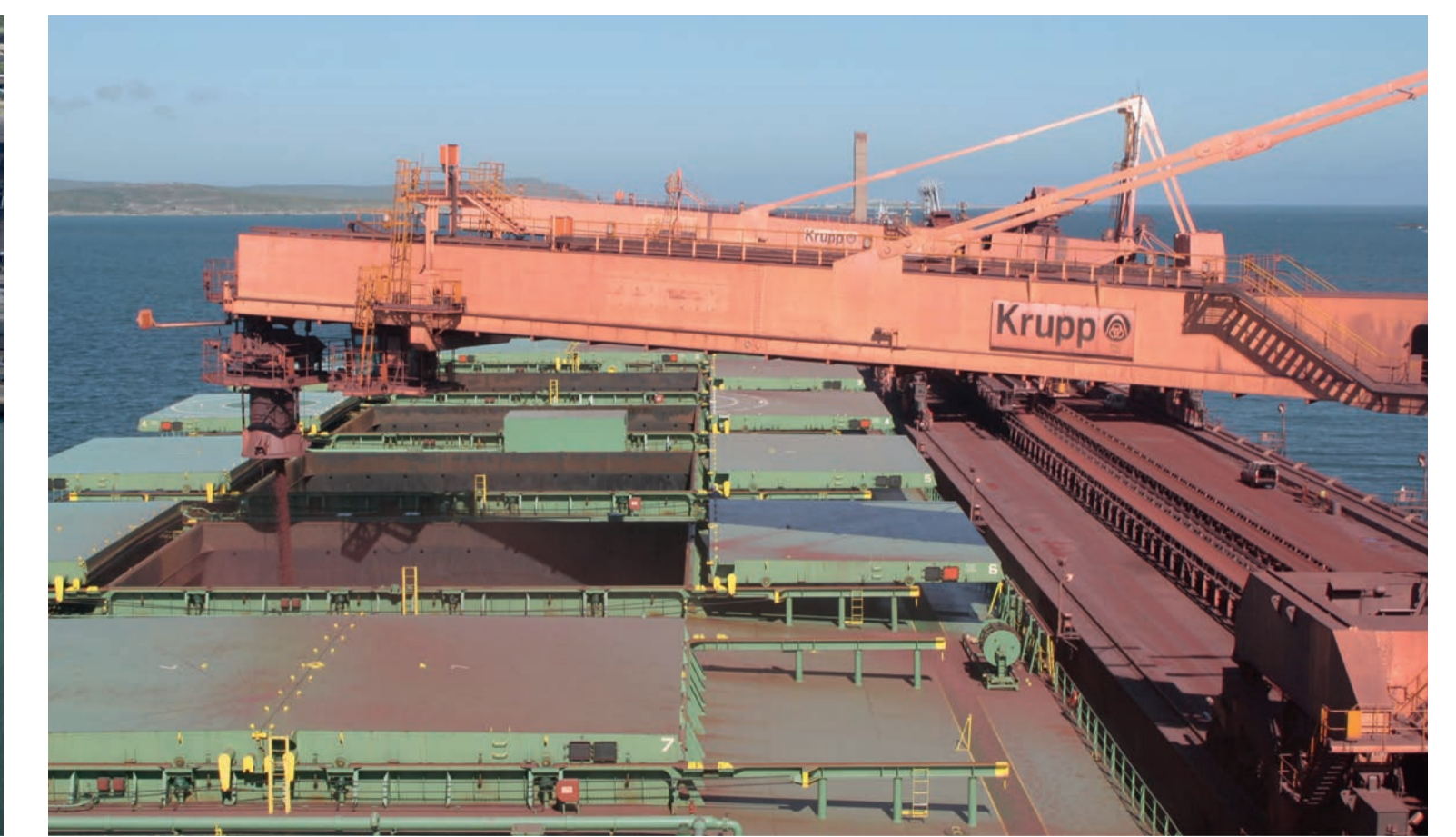
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Discharging bulk cargo using grabs



Working bulk cargo in the port of
Richards Bay



Loading iron ore in Saldanha Bay