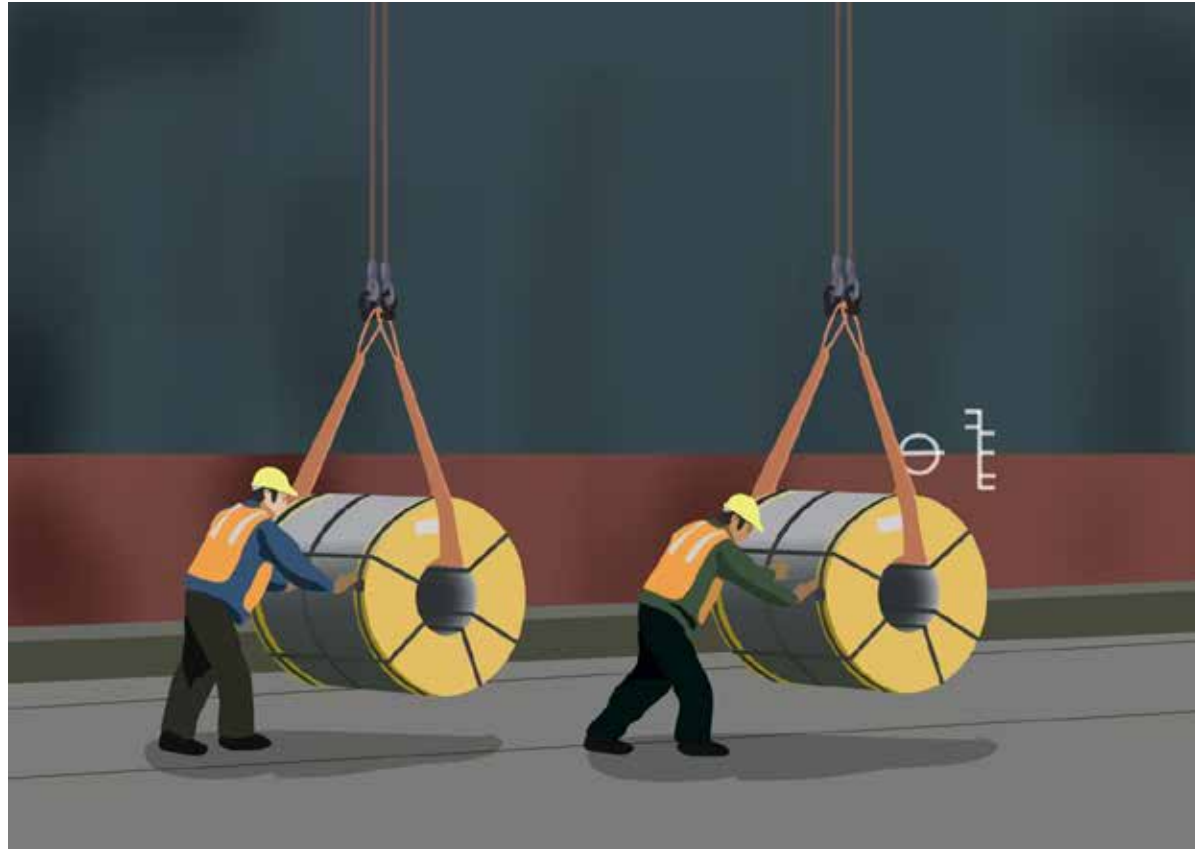


# 鋼

## Steel cargoes & loss prevention



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*All photographs are courtesy of Andrew Moore & Associates.  
All artwork by Mr John Steventon.*

# Overview

- Steel cargoes & claims
- Hazards carrying steel cargoes
- Damages carrying steel cargoes
- What should shipowners do and not do?
- What can the American Club do to help?
- Steel cargoes and loss prevention



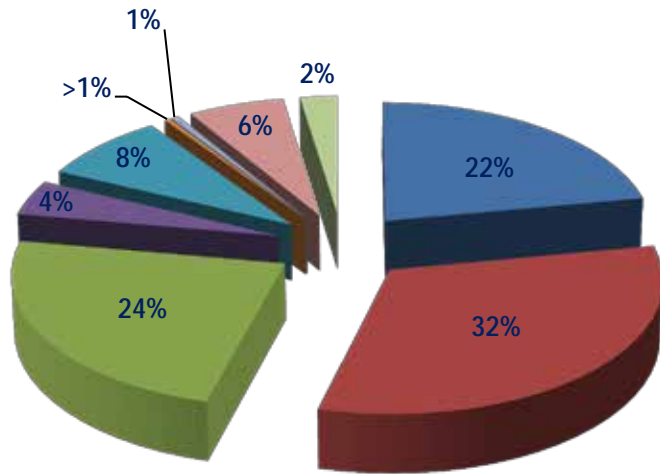
# Steel cargoes



How many different cargoes can you find in the picture?

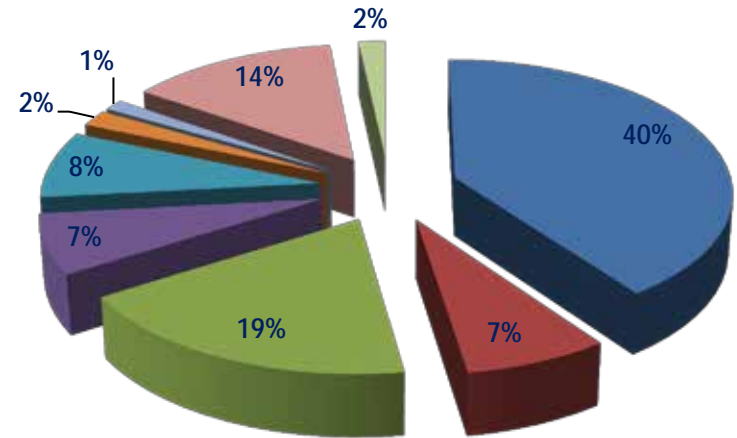
# Steel cargoes and claims 損壞

2000 to 2014



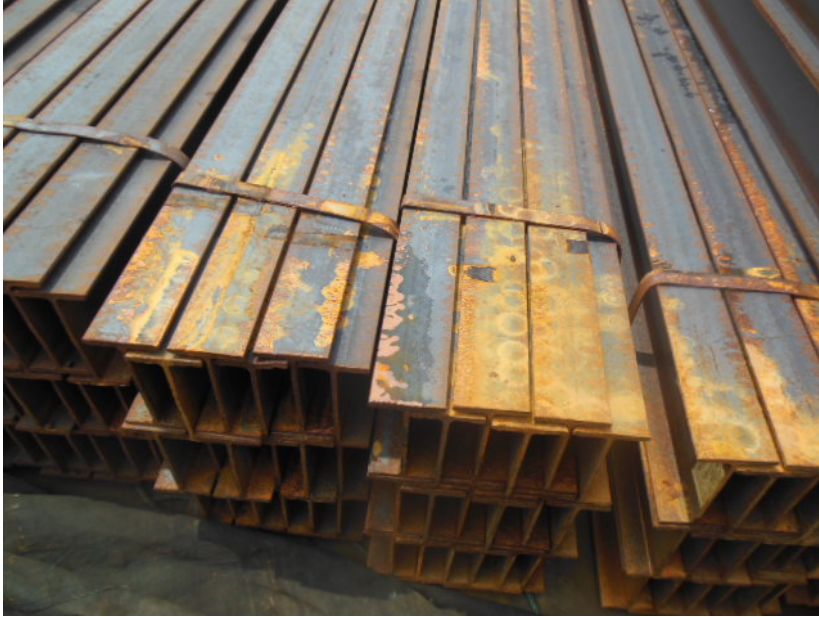
575 claims incidents

- Wetness/contamination
- Shortage
- Damage
- Dispute
- Handling
- Fire
- Uncollected G/A
- Shifting/stowage/heavy weather
- Other/unknown



\$14.19 million in claims

# Rust & water ingress 水



Damaged before or after loading?

# Rust & water ingress (cont.)

水



Indication of pre-shipment damage...  
rusted rebar on in the middle, clean  
rebar on top and bottom!

# Handling damage 風險



Hot rolled steel coil damaged by forklift

# Stowage damage 風險



Compressed cast iron pipe



# Stowage damage (cont.) 風險



Wire loaded against sideshell... deformation will worsen during the voyage as wire presses between frames.

# Safe stowage 安全



Packaged cold rolled steel coil that is well stowed.

Stowage: pipe

安全



Pipes well stowed in a fore and aft direction in the cargo hold. Lashing wires would go in between lower tiers and tied to make "block stow".

# Best practices

Testing holds & cargo

# 智慧



Silver nitrate testing–  
cargo hold



Chloride testing– steel rebar

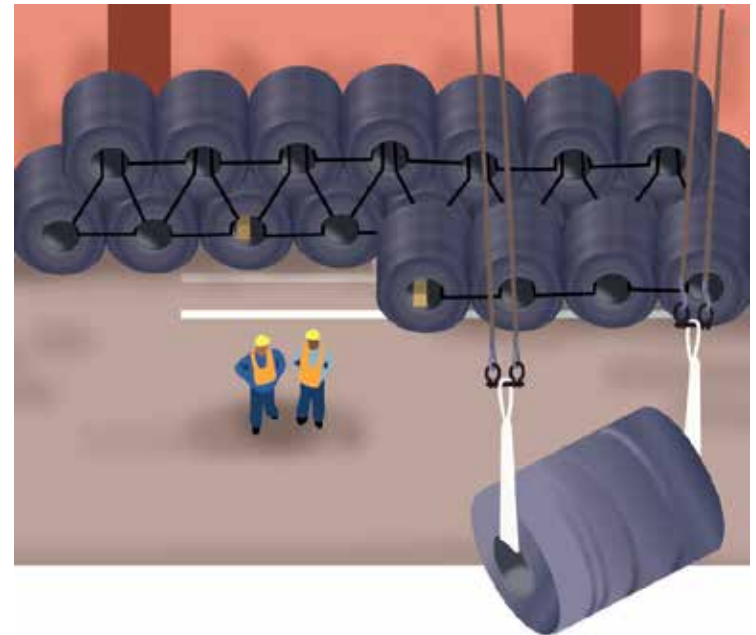
# Lashings 捆扎



Ship's Master beware! Charterer's responsibility for lashings as per most C/Ps. Master/crew responsibility to watch out for "glaring" defects.

# Best practices 智慧

- Ship's crew should pay close attention to loading & discharge
- Ensuring that fresh water rinsing of cargo holds after completion of seawater washing
- Cargo hold bilges to be cleaned and devoid of previous cargo odors
- Pre-load steel surveys
- In transit care of cargo
  - ventilation & humidity
  - bilge soundings



# Best practices (cont.)

# 智慧

- Ensure the appropriate clausuring of Mate's Receipts reflecting the true condition of the cargo
- Ship's crew to monitor the cargo securing... **but not "supervising"** (i.e. not taking over responsibility of securing the cargo as that rests with charterers)
- In most cases, as B/Ls are signed by ship's agent, Master should instruct agent to sign B/Ls in compliance with exceptions on Mate's Receipts

# American Club and Steel 防損

- Assisting Members on claims
- Providing Guidance to Members on operational risks and contractual/charter party risks
- Sharing costs of pre-load surveys with Members– 50%/50% (American Club Circular No. 24/14. August 11, 2014)
- Consistent guidance to surveyors for pre-load surveys
- *Transport Guidance for Steel Cargoes* and associated video animations (due for completion in Spring 2015)



# American Club Loss Prevention

- Ebola
- Piracy
- Bagged Rice
- Nickel Ore
- Club Circulars
- Entry Into Enclosed Spaces
- Club Member Alerts
- CURRENTS Magazine
- MARPOL/VGP training
- Pilotage
- Posters/comic pamphlets
- Pre-Employment Medical Examinations

<http://www.american-club.com/page/loss-prevention>



# 治病不如防病

Thank you!

