9636Z6434A

TITLE: Cargo barge with sheer and camber deck including apparatus for unloading of sand

BACKGROUND OF THE INVENTION

This invention relates to a cargo barge where the barge is being customized with a flushing system with discharging pips aligned around and through the central deck. Seawater will be used in the discharged system.

DISCRIPTION OF THE DECK CARGO BARGE

The present invention relates in general to barges and its self dumping features. There will be seawater is being discharged through the pips aligned around the deck as well as diagonally across the deck. This is to assist in the uniform round the deck discharged of sea water.

SUMMARY OF THE INVENTION:

The purpose of the present invention is to make use of all natural means in the achievement of the purpose of discharging sand on the deck.

Accordingly an object of the present invention is to provide a self-dumping mechanism for barges through the means of straight midship camber deck floor and an appropriately designed hydraulic operated side gates on port and starboard on the side boards of the barge for the discharge of the sand.

By incorporating these structure and mechanism within the barge, it becomes possible to dispense with expensive installation for accomplishing the same purpose.

Such invention is to provide a self-dumping barge which is simple in design, rugged in construction and economical to manufacture.

The various features of novelty which characterize the invention are pointed out with particularity in the claims annexed to and forming a part of the disclosure. For a better understanding of the invention, its operating advantages and specific objects attained by its uses, reference is made to the accompanying drawings and descriptive matters.

165165

G00001

BRIEF DESCRIPTION OF THE DRAWINGS:

In the drawing:

Fig. 1 is the side view of the barge with the view of the seawater pump visible at the end.

Fig. 2 shows the plan view of the barge with the showing of the edge door and the flow of the sand out of the barge.

CLAIMS:

Claim 1: The last design claim will be on the flushing system that is being incorporated in the barge. There are two pumps at both end of the barge. It is to pump seawater up and discharge the seawater via the hose that runs around the center fold and side of the barge. It will discharge through the holes distributed evenly along the track of the hose. Thereby evenly washes and debris away through the retracting doors.

TITLE: Barge with tilted deck platform and apparatus for unloading of sand

BACKGROUND OF THE INVENTION

This invention relates to a barge unloading system where the barge is being customized with a tilted deck platform. The loaded sand will be unloaded from the barge when the flushing system is being activated and the side retracting door is being release. The seawater flushing system will aid in the unloading of the sand.

DESCRIPTION:

The present invention relates in general to barges and its self-dumping features. The main design features will be the construction of the floor of the port and starboard side to be inclined down from the center to the edge of the barge. Such arrangement will allow the sand to flow down to the side of the barge when the seawater is being discharged.

The other feature that is being mentioned is the discharge doors that are being open at both side of the deck. It is open in such a way that it eases the flow of the sand off board and at the same time allow minimum mechanical feature to be incorporated.

SUMMARY OF THE INVENTION:

The purpose of the present invention is to eliminate the problems of having to incorporate expensive unloading devices within the barge and also to make use of all natural means in the achievement of the purpose.

Accordingly an object of the present invention is to provide a self-dumping mechanism for barges through the means of an inclined deck floor of the port and starboard side and an appropriately designed discharge door and seawater flushing system.

By incorporating these structure and mechanism within the barge, it becomes possible to dispense with expensive installation for accomplishing the same purpose.

Such invention is to provide a self-dumping barge which is simple in design, rugged in construction and economical to manufacture.

The various features of novelty which characterize the invention are pointed out with particularity in the claims annexed to and forming a part of the disclosure. For a better understanding of the invention, its operating advantages and specific objects attained by its uses, reference is made to the accompanying drawings and descriptive matter.

BRIEF DESCRIPTION OF THE DRAWINGS:

In the drawing:

Fig 1 is the side view of the barge with the view of the seawater pump visible at the end.

Fig 2 feature the front and back view of the barge. It shows the deck floor inclination.

Fig 3 shows the plan view of the barge with the showing of the edge door and the flow of the sand out of the barge.

CLAIMS:

Claim 1: In this invention, the main claim will be on the tilted platform of the barge. The barge is being designed with a tilted platform that will slender away from the center part of the barge and tapered down towards the edge of the port and starboard of the barge. The other claim feature will be the reversed inclination of the deck platform at the forecastle and quarterdeck being higher at the edge and incline inwards to the center of the barge. This is the reverse opposite of the port and starboard side where the deck platform is higher at the center and slander down at the edge. Such arrangement is to aid in the discharge of the sand.

Claim 2: The other design feature claim is that the deck retracting doors. Both the edge of the port and starboard side of the barge are incorporated with doors that will allow the discharge of the sand. It is claim that the doors are featured in either half retraction, full retraction, sliding to the sides, or whole doors lowering down pivoted at the bottom to release the sand. It is claiming all doors opening within these four sides of the barge to be proprietary design.

Claim 3: The last design claim will be on the flushing system that is being incorporated in the barge. There are two pumps at both end of the barge. It is to pump seawater up and discharge the seawater via the hose that runs around the center fold of the barge. It will discharge through the holes distributed evenly along the track of the hose. Thereby evenly washes the sand within the barge away through the retracting doors.