

# A. S. HALLIDIE,

Importer, Dealer and Manufacturer of

## IRON AND STEEL WIRE ROPE, AND WIRE OF ALL KINDS.

ESTABLISHED 1857.

Office and Depot,

No. 113 and 115 PINE STREET, SAN FRANCISCO.

Sole Proprietor of the

## PATENT ENDLESS ROPEWAY

(Wire Tramway) for transporting Ores, etc., over mountainous places.

Agent for Pacific Wire and W. R. Manufacturing Company, of California,

— AND OF —

Richard Johnson & Nephew, Wire Manufacturers, of Manchester, England.

### MINING COMPANIES, FERRYMEN, AND SHIPMASTERS

Are informed that Wire Rope can be furnished them considerably under the cost of Hemp or Manila, of equal strength. Wire Rope does not stretch or shrink by change of weather. It weighs 40 per cent. less than hemp; is less than one-half the diameter; is easily spliced under all circumstances; is as pliable for equal strength; and is from four to five times as durable as the best Hemp or Manila Rope.

*For Hoisting from Deep Mines, the economy of its application is immense.*

The Wire from which my Ropes are made is manufactured in San Francisco by the Pacific Wire Manufacturing Company, from the very best of Stock.

NOTE.—STEEL WIRE ROPE weighs about six-tenths of Iron Rope, or one-third of Hemp of equal strength. Its extreme lightness saves largely in freight to remote places, and its great durability recommends it for hoisting purposes, etc. See table of comparative weights, strengths, and sizes of

Steel Wire Rope.		Iron Wire Rope.		Hemp Rope.		Working load of each.
Circumference	Wt. pr 100 ft.	Circumference	Wt. pr. 100 ft.	Circumference	Wt. pr. 100 ft.	
2 inch.	60 lbs.	2½ inch.	100 lbs.	8½ inch.	165 lbs.	3,300 lbs. 7,000 "
2½ "	100 "	3½ "	180 "	8¾ "	284 "	

## ENDLESS WIRE ROPEWAY,

(Wire Tramway) secured by numerous patents.

By means of the Ropeway, ores, rock and other material can be transported over mountainous and difficult places, where it would be impossible or exceedingly expensive to build a road. It can deliver from five to fifty tons per hour, according to capacity; and being carried upon posts above snow and other obstructions, can be used when other modes of transportation would be impossible.

A. S. HALLIDIE, 113 and 115 Pine Street, San Francisco.

Circulars sent on application.