

# A. S. HALLIDIE,

Importer, Dealer and Manufacturer of

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

ESTABLISHED 1857.

Office and Depot, No. 519 Front St.

SOLE PROPRIETOR OF THE

## PATENT ENDLESS ROPEWAY,

[Wire Tramway,] for transporting Ores, etc., over mountainous places.

Agent for Pacific Wire & W. R. Manufacturing Co., of California,  
AND OF  
Rich'd Johnson & Nephew, Wire Manufacturers, of Manchester, Eng.

### 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 6-10th of Iron Rope, or  $\frac{1}{2}$  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.	Weight per 100 ft.	Circumference.	Weight per 100 ft.	Circumference.	Weight per 100 ft.	
2 inch.	60 Lbs.	2½ inch.	100 Lbs.	6½ inch.	166 Lbs.	3,300 Lbs.
2½ "	100 "	3½ "	180 "	8¼ "	284 "	7,000 "

## 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 5 to 50 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, 519 Front Street.

Circulars sent on application.