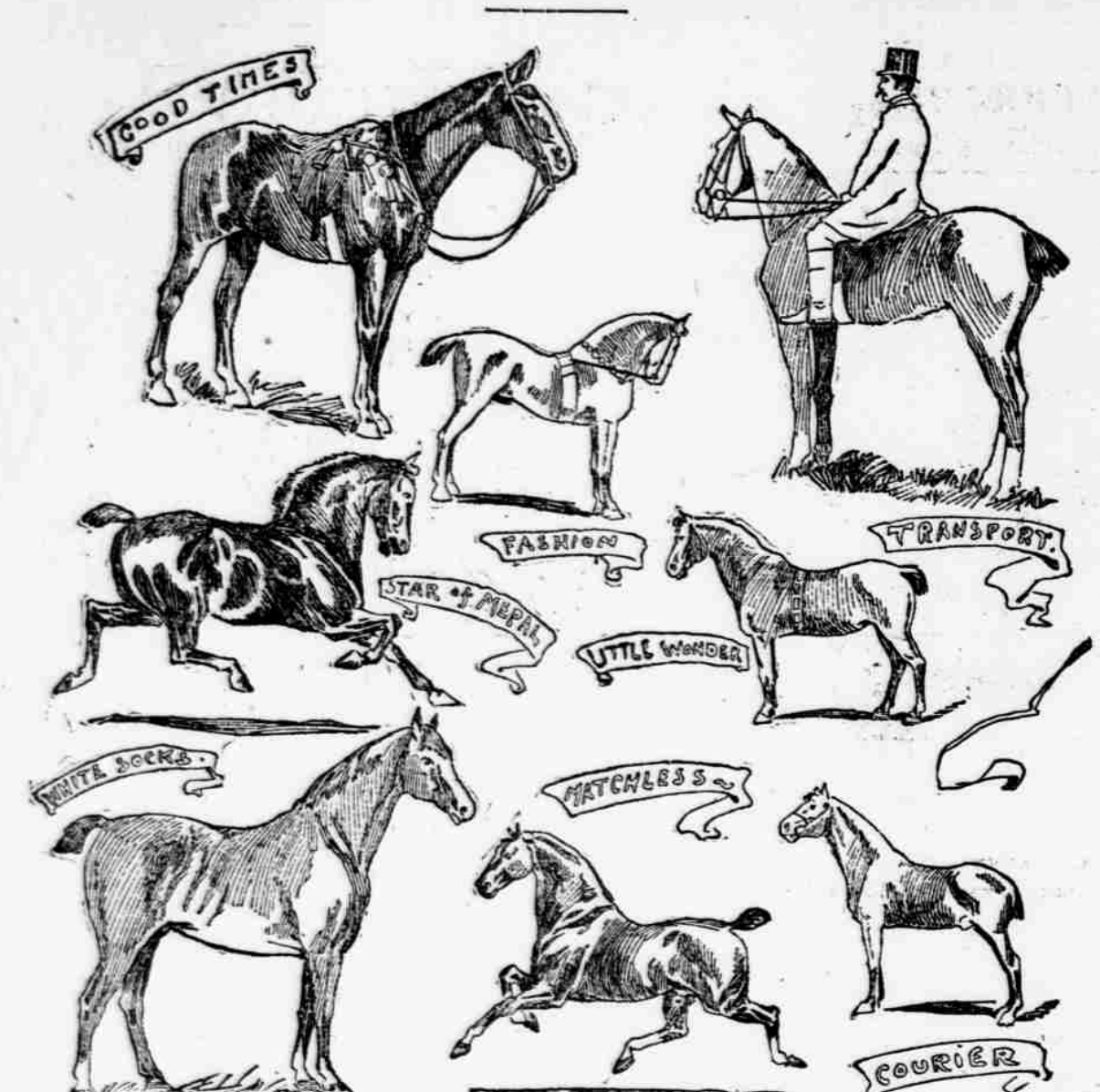


WILL BASK IN THE SMILES OF BEAUTY.

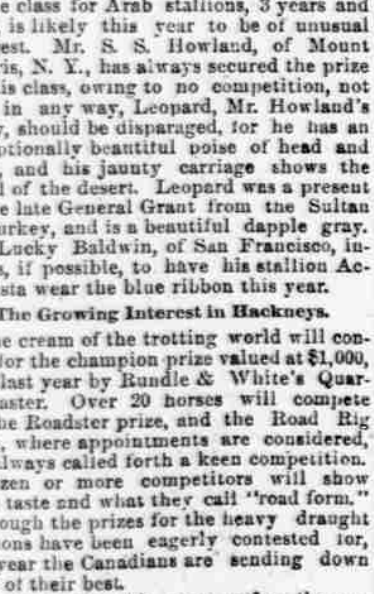


FOUR-FOOTED SWELLS.

The Horses That Will Gather Together the Beauty and Fashion Next Week—A Few of the Many Entries—Late Importance of the Hackneys.

ment is due the addition of the finest horse of his class to the stock of this country; Beau Lyons, the property of Mr. T. Eastman; Bonfire, John A. Logan's beautiful...

LIZZIE BORDEN'S HEAD. The Verdict of a New School Phrenologist Upon the Young Woman Accused of Murdering Her Father and Step-Mother—Principles of the Science.



creeds of right and wrong. But it was not until the crime had been committed that they molded into words their impressions of her, and with the best intention in the world...

SPEEDY SNAP SHOTS.

A Method of Taking Photographs in One Ten-Millionth of a Second.

ELECTRIC TOOL FOR CARVING.

Signaling to Mars From the Great Cities of the United States.

THE TELEPHONE FOR STREET CARS.

Electricity has been doing some pretty work in the photographing of drops of water, and Prof. C. V. Boys, in a recent lecture, gave several illustrations of what he has accomplished.

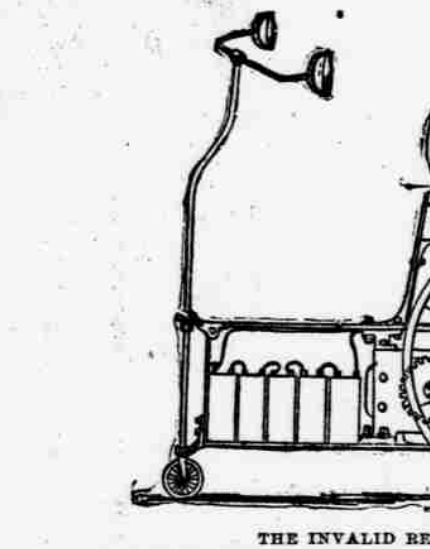
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An Electric Carving Tool.

The announcement was recently made that a tool had been invented whereby sculptors and others who whose occupation is the carving of marble, stone or granite entered largely could, in future, dispense with slow and laborious handwork, and avail themselves in a most thorough and satisfactory way of the application of electricity to their calling.

Electric Light and Bird Life.

Dr. Morris Gibbs, in analyzing the causes of the decrease in the numbers, or the absolute extinction of certain of our birds, says that the lighthouses of our great lakes and coasts destroy many thousands each year, and possibly hundreds of thousands, the birds killing themselves by dashing against the lights when migrating seasonally.



THE INVALID RECLINING CHAIR.

not only to do the work much more rapidly but to give greater attention to the working out of the design. Although six pounds is the heaviest tool thus far constructed, the principle of the machine can be widely extended, and applied to all purposes, from the most delicate sculpture work to the heaviest of granite drilling and mining.

Starting Cars by Telephone.

The latest method of starting street cars in Denver is said to result in a saving of at least 80 per cent over the cost of the ordinary system. The difficulty of maintaining schedule time with a large number of cars is well recognized, and on many lines if a car is delayed by an accident for a quarter of an hour or 20 minutes the whole line will be so demoralized that schedule time will not be overhauled during the whole day.

A New Anemometer.

A new method of recording wind phenomena has been adopted at the Odessa Observatory. By this device the direction and velocity of the winds are marked on a cylinder by one symbol. The record consists of a series of lines, the length of which covering the cylinder, and the number of lines marked on a length of paper corresponding to one hour furnishes data for finding the velocity by an empirical scale, the value of whose readings are determined by comparison with Robinson's anemometer. The recording apparatus is actuated by clockwork, and indications are made by electrical contacts.

ADRIFT ON THE SEAS.

Involuntary Wanderings That Peopled the Isles of the Pacific.

THE EVIDENCE OF LANGUAGE.

Tending Toward the Oriental Origin of Iven the Indian Race.

INSTANCES OF REMARKABLE JOURNEYS.

In the earliest days of navigation across the Pacific Ocean the myriads of islands, big and little, scattered over the broad expanse were found to be inhabited.

future peoples were to spring. How many of them with their trail crafts were swallowed up in the deep?

There is proof, also, that these migrations have not only been the result of accident, but, sometimes, also, of deliberate purpose.

Two scholars, the late Prof. Quartraces and Mr. Otto Sittig have given great attention to collecting the evidences of authenticated cases of involuntary wanderings in the Pacific.

A remarkable instance is that recorded by missionaries in the Philippine Islands as occurring in 1606. Twenty-nine natives of Palau, which at that time had never been seen by civilized man, were driven by a storm far West of their home and then drifted with the current to Samal one of the Philippine Islands.

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THE VISITING CARD.

What Good Form Requires as to Its Material Get-Up and Use.

SIMPLICITY IS THE FIRST RULE.

Usage as to the Folding Down of the Upper Left Hand Corner.

THE PERMISSIBLE ABBREVIATIONS.

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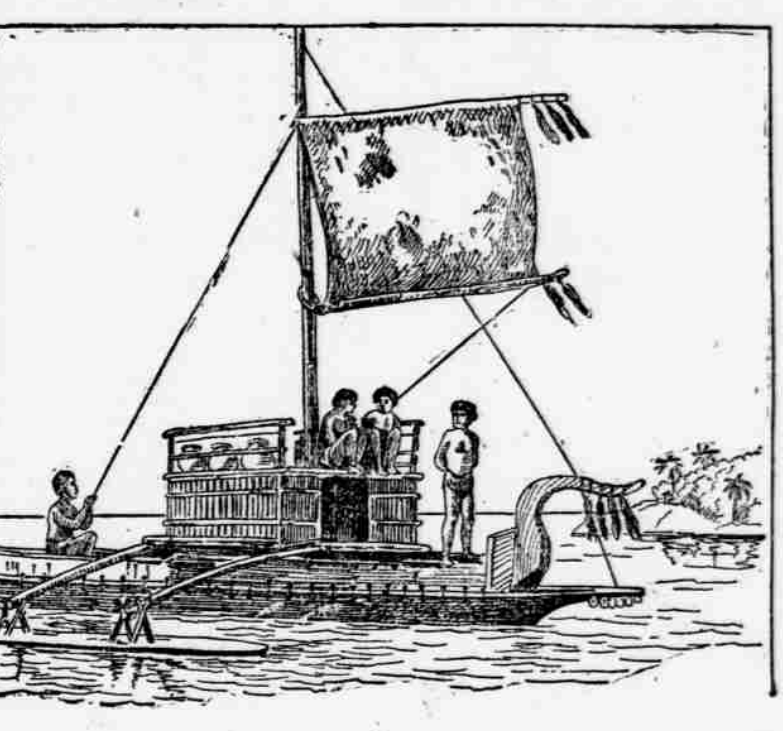
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SOUTH SEA NATIVE TRADING VESSEL.

considerable force was that these islanders were merely remnants of the people of a continent that years ago sank beneath the waves with only its mountain tops peering above them.

In the course of the investigations it has become perfectly evident that these islands were peopled by migrations and that very many of these migrations were involuntary.

It has been observed that the greatest and most eastern of these Pacific races, the Polynesians, in their traditions, mode of life, religious practices, resemble in many respects the Papuan, Malayan, and even the Japanese.

Even our Indians Related. Some careful observers also have found analogies between the Polynesians and the natives of North and South America, and it may be that our Indian race had some part in peopling the Pacific islands, a supposition that derives the more probability from the fact that the prevailing winds and currents south of the Equator move from east to west.

Since the Pacific became well known numerous instances of migrations from continental lands to the islands and from archipelago to archipelago have been recorded. Recent tales of a Japanese junk which, in 1822, was carried by a typhoon far east of the island home of the nine poor fishermen who were on board.

The Kuro Sivo current bears the castaways still further east. They lost all their bearings, knew not whether they were drifting, and for ten months they were buffeted here and there on unknown seas until finally their helpless vessel brought up on the coast of Oahu in the Hawaiian Islands.

Thanks to their food of fish and the rain water they caught, four of the unfortunate lived to tell the story of their terrible sufferings.

Hawaiian Resemblance to the Japs. "It is plain now that we came from Asia," said the Hawaiians as they recognized the resemblance between these foreigners and themselves. Pine trees brought from the coasts of Oregon or Vancouver Island are often stranded on the shores of this archipelago and the traditions of Hawaii have handed down reports of red men from the far East whom some chance has cast upon the islands.

One of the greatest geographers has said that nations push forward to possess new lands in a direction opposite to that of the general movement of the air and waters. This is the case in the Pacific. To be sure the general movement of air and currents flowing west produces reflux currents moving in a direction opposite to that of the general movement of the air and waters. Great importance in scattering people among the Eastern archipelagos. But these

refuge, after the sinking of their vessel, upon one of the Crozet Islands, north of Madagascar and far towards the Antarctic Circle. There they lived for nine months, subsisting on biscuit they had saved from the wreck, penguin eggs and fish. They would doubtless have been rescued if their patience had held out. But, as the record they left behind them shows, they sought to reach in small boats another island 80 miles away, which they believed was nearer the track of whalers; and they perished in the attempt, for they were never heard of again.

The breadth of the Pacific would seem to interpose an unsurmountable obstacle to the immigration of savages in their tiny crafts. But this obstacle has been more than counterbalanced by the myriads of islands that have served as stepping stones for the human race on its way across the great waste of waters.

Won't Sing Through a Telephone. During late years the telephone has become more and more common in Paris, nearly all the larger cafes, etc., being thus



RACES OF THE PACIFIC OCEAN.

connected with the theaters and the opera. Now, however, a tenor vocalist at the Opera Comique has entered a protest against this practice, maintaining that he is engaged to sing for the public and not for subscribers to the telephone, and that his renown as a singer suffers, inasmuch as his voice heard through the telephone is, of course, "feeble."

A Smart Business Trick. The thrifty Scotchman who manages the affairs of the town of Paisley recently discovered a new means of turning an honest penny to the town's benefit. They have leased the public street lamp posts to an advertising firm to be fitted up with frames (or the display of advertising posters. The lease carried with it the provision that any work required in connection with fitting up the lamp posts should be done by a Paisley tradesman.

Driven Far From the Direct Course. Often, if they could have traveled in a straight line, a journey of five or six hundred miles would have taken them to their new places of abode. But, as Reclus has said, the authentic records of these involuntary voyages, made during the past three centuries, show that many times the actual journey was two or three times as long as the shortest route. It is certain that comparatively few of these castaways were spared to be the seed from which

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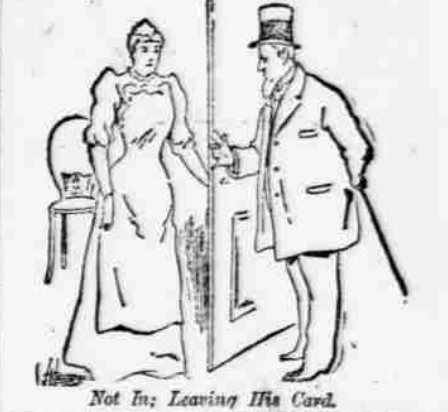
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Not to Leave His Card.

announcement with the mystic P. P. C. in the corner, the departure of some undesirable acquaintance.

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