the Ruku and Sturi

Rivers, 1,500 miles

from the mouth of

the Congo. These

necklaces are consid-

ered horrible by non-

man-eating tribes.

Other tribes wear

necklaces of monkey

or crocodile teeth.

This particular neck-

lace consists of thir-

ty-eight teeth, some

of which are decidu-

ous, and one molar

was observed to be

carious. Most of the

single-fanged teeth

were perfect, but the

roots of the molars

were more or less broken by the rude

method of removal.

in order to facilitate

which the natives

burn the skulls to a

certain extent. Mr.

Stanley informed Mr.

Woodhouse that

many of these neck-

laces consisted of several rows, and

sometimes contained

as many as 400 teeth;

and, further, speak-

ing of the prevalence

of caries among the

natives of Africa,

which appears to be

far greater than is

generally supposed,

### NEW MARINE SIGNAL.

The instrument shown in the accompanying engraving, and called the lucigraph, is used for signaling at be turned at pleasure toward any point of the comnight, and commends itself especially to those engaged pass. in marine pursuits. It is adapted for use by the mercantile marine, by lighthouses, signal, coast guard, telegraph, or other stations, and for the use of lightships.

It is constructed on the principle of the stereopticon | a frontage of 170 feet, a depth of 114 feet, and will be | was wounded with a poisoned arrow, at the junction of

or magic lantern, and is worked by keys similar to the typewriter, each key being attached to a metal plate stenciled in any desired character, such as a letter of the alphabet or numeral. Each key is painted with a character similar to that cut out of the plate to which it is attached, and when pressed, it projects the letter plate before the light, throwing the said character on a screen.

For ordinary use an Argand burner kerosene lamp is sufficiently strong, as it is estimated that every five candle power gives a range of vision of about a quarter of a mile on a bright moonlight night. Of course, for higher and better service, the electric or lime light should be used in the lantern.

The signals can be read by any one without instruction, and when code letters, like those of the uni-

would be found useful on pilot boats for signaling their numbers as well as for speaking ships. It also eye lens and working a special mechanism it can be made to signal quite as fast and to a greater distance than most of the patent flash code lamps in use.

It has been exhaustively tested by practical men in all weathers, and has received much favorable comment. Among those who have commended its use may be mentioned: The head signal department, Wash-

ment, Fort Meyer; Captain Sir Baldwin Walker, H.M.S. Emerald; Captain Watkins, steamship City of New York; Captain Barclay, superintendent Allan Line; Capt. Ritchie, steamship Parisian; and many other practical men. Captain S. M. Orr, of the London steamship Port Donaldson, who has had it several months on his ship, between London and Australia, has sent in a fa-

which may be hoisted or lowered at pleasure, and held in place by stays, as shown in the cut, so that it can

#### Twenty Stories High.

#### Necklaces of Human Teeth.

Mr. R. H. Woodhouse presented to the Odontological Society, London, at its last meeting, a necklace of human teeth, for which he was indebted to the kindness of Mr. H. M. Stanley. The necklace was found upon a young warrior, a native of Avisibba, a cannibal The new Masonic building now being erected in tribe, upon the Sturi River, who was killed in an at-Chicago will be an architectural warvel. It is to have tack upon Mr. Stanley's party, in which Lieut. Stairs



## NEW MARINE SIGNALING DEVICE CALLED THE LUCIGRAPH.

versal international code, are used, it can be read by twenty stories high, and the roof will be nearly 300 feet stated that during the Emin Pasha expedition he any one using the code book carried on all ships. It from the level of the street. There are to be eighteen and his subordinates extracted between 300 and 400 elevators, arranged in a semicircle, having a total carrying capacity of 40,000 passengers daily. The of the extreme west and extreme east, and not of censignals by any flash code, and by exposing the bull's entrance is to be 42 feet high by 28 feet wide, and the tral Africa.-Lancet.

rotunda, with an area of 3,700 square feet, will be opened to the roof, where visitors will find a pavilion garden from which they can get a bird's eye view of all creation.

London, but the idea of it nearly takes the breath country. It was found wild in Mexico and Central away from the people there, and it doubtless will be ington, Brigadier-General Greely; the signal depart- half a generation before they set to work to erect it.

teeth for their followers; these, however, were natives

## A PINE APPLE GROVE IN FLORIDA.

The pine apple (Ananassa sativa) belongs to the Bromeliad family, and is indigenous to tropical Ame-A twenty story building has been lately proposed in rica, where it was found after the discovery of this America, Guiana and Brazil. It is such a delicious fruit that it is grown now in various parts of the South.



Our engraving was prepared from a photograph taken by Mr. Wm. H. Jackson. of Denver, and represents very well the manner in which the fruit grows. This pine apple field is located at Eden, on the Indian River, Florida.

To tell the truth of electricity, about which weare wont to speak glibly enough, and which we introduce into our equa-

vorable official report.

The apparatus has been patented here and in Europe by the inventor, Mr. John W. Hayward, Astor House, New York City.

The screen should be of white duck or of some bright color. A house may be used or anything giving a flat surface confronting the point to be signaled to, but the most efficient device is probably a diamond shaped duck screen located on the bridge,

# A PINE APPLE GROVE IN FLORIDA.

tions quite as a matter of course, we know, directly, absolutely nothing whatever. Concerning electrical energy we know much; but the factor of it which we call electricity eludes alike our senses and intelligence. From a practical point of view, electricity is hardly more than a mathematical coefficient, of which we may in due season learn the physical significance.-Electrical World.