

Science's Latest Marvel.

"May I see the inventor of the electro-scope?" The reporter who asked this question stood at the door of a dingy, ill-ventilated workshop in the fifth story of a building occupied exclusively by machines and model-makers.

"Certainly, sir; look at him," was the response to the reporter's question. "What is your pleasure?"

"Well, I am come to get some points about your wonderful machine. I should like to know how big it is, how it looks, and what it is expected to accomplish," said the reporter, looking about for a seat.

"H'm!" ejaculated the inventor; "that's asking a great deal, and considerably more than it would be policy for me to tell. The electro-scope is not as big as Jumbo, by any means. As to how it looks, I could best answer that by giving a detailed description of my magnanimous opus."

"So much the better," said the reporter, whipping out his note-book and pencil. "But to do that," continued the inventor, seating himself upon the bench and swinging his legs pensively, "would be to give some one else a chance to steal my secret, and thus deprive me of the fruits of my years of labor. But (noticing a moan of disappointment from his companion) I have no objection to telling you what I expect to accomplish."

"Well?" "The electro-scope," went on the father of that marvelous instrument, thoughtfully bending and twisting a piece of slender copper wire, "is an apparatus for the transmission of light. You know that when you came. We hope," pursued the inventor, "to be able to produce in New York instantaneous photographs of scenes which are being enacted in—San Francisco, for instance. That may appear a little surprising," said the electrician.

"Just a trifle," observed the reporter. "Yet it is far from impossible. We set up our instrument in San Francisco and attach it by ordinary telegraph wires to a sensitive plate here. The image is transmitted over the line to the plate, which is developed as in common photography. As a result, we have a clear, beautiful picture."

"That is all very fine, of course," said the reporter, picking up his book, "but of what practical good is it?"

"I will show you. Suppose a Sunday-school Superintendent in Omaha robs the bank of which he is cashier and decamps. His photographs are immediately sent to all the principal cities of the Union by the electro-scope, and his chances of detection greatly increased. In the same way fac-similes of documents may be transmitted. You will see how valuable this will be in cases of forgery."

"Then the electro-scope will be used chiefly in frustrating crime?"

"If it would do no more than that its claim to a high place among useful inventions would, I think, be fully established. But that is not all. When the electro-scope comes into vogue the imaginations of the artists on the illustrated papers will have a much needed rest. Photographs of distant scenes may be 'wired' and engraved."

"But won't that be an expensive process?"

"I don't know why it should be especially so, and what if it is? That will not deter newspapers from using it. Don't they spend money without stint to get accurate news? Why should they not be willing to pay for accurate pictures? With the electro-scope there would be the same competition between the papers for pictorials as there now is for written news. Then, in case of war, my instrument would be of great value to the belligerents. The officers in front could send pictures of the enemy's works by field telegraph to the General-in-Chief in the rear."

"How long have you been at work at this thing?"

"Many weary years," replied the inventor, with a sigh. "The idea antedated those of the phonograph and telephone. The success of those inventions, particularly of the latter, encour-

aged me greatly. If a sound could be transmitted over the electric wires, why not light. Thus I reasoned, and I have toiled on in the face of disappointment and the laughter of the few to whom I have confided my plans, until at last I have perfected the machine."

"When do you intend to put it into active operation?"

"In the fall or summer. The dull season of the year is so close at hand that I could do but little now. When September or October comes, though, I shall organize a company and then my triumph will come. He laughs best who laughs last."

"You anticipate no trouble in persuading capitalists to invest in your scheme?"

"None at all, when they have seen the electro-scope work. I have used it with entire success over short distances, and am fully satisfied that it will do equally well at long ones."

"Could you make an electro-scope to transmit pictures to Europe?"

"Possibly, although an exceedingly powerful current would be required. I'll tell you what I could do. You have read Verne's 'Twenty Thousand Leagues Under the Sea'?"

The reporter nodded assent.

"I believe I could reproduce with a submarine electro-scope some of the scenes which the Frenchman describes. Expert divers could carry my invention under the sea, and the mysterious body which covers three-fourths of the earth's surface would be forced to give up its secrets, or some of them at any rate. Of course, the operators could only work in comparatively shallow water, where the light would be strong enough for these experiments. Is it not a grand idea?" exclaimed the inventor, leaping from the bench and waving his knot of wire dramatically. "The coral reefs, the hills and dales of the land under the water; the masses of strange, crawling things covering the firm, white sand; the monsters of the deep, looming out of obscurity to view the invaders of their domain, and occasionally the wreck of a ship, with the skeletons on her deck grinning a horrid welcome, as though their dull sockets had eyes, to see the beings of their own race among them. Ah, the very thought repays all my work and struggles."

He bowed his head upon his breast and folded his arms. Apparently he had forgotten his visitor. Now and then his lips moved slightly. In that attitude, with smiles and frowns changing each other across the face like sunshine and shadow over the side of a mountain, the reporter left him.—N. Y. Evening Post.

Preserving Eggs.

Several ways of preserving eggs are practiced. The object is to prevent evaporation from the egg. Cutting off the air from the contents of the egg preserves them longer than will any other treatment. An egg which has lain in bran even for a few days will smell and taste musty. Packed in lime eggs will be stained. Covered with a coat of spirit varnish eggs have kept so perfectly that after the lapse of two years chickens were hatched from them. A good egg will sink in a body of water; if stale a body of air inside the shell will frequently cause it to float. When boiled a fresh egg will adhere to the shell, which will have a rough exterior; if stale, the outside will be smooth and glassy.

Looking through a paper tube directed toward the light an egg held to the end of the tube will appear translucent if fresh; but if stale it will be dark—almost opaque.

Spirit varnish for preserving eggs is made by dissolving gum shellac in enough alcohol to make a thin varnish. Coat each egg with this and pack, little end down, so that they cannot move, in bran, sawdust, or sand; the sand is best. Whatever is used for packing should be clean and dry. For preserving in lime a pickle is made of the best stone lime, fine, clean salt and water enough to make a strong brine, usually sixty or sixty-five gallons of water, six or eight quarts of salt, and a bushel of lime are used. The lime should be slacked with a portion of the water, the salt and the remainder of the water is then added. Stir at intervals, and when the pickle is cold and the sediment has settled, dip or draw the liquid off into the cask in which the eggs are to be preserved. When only a few eggs are to be pickled a stone jar will answer.—Chicago Tribune.

—Judge Duffy, of Baltimore, decided recently that the sale of a good-will without anything more does not prevent the seller from setting up a similar business next door to the business sold by him. To prevent that the purchaser must have an express contract with the seller to that effect. The law, he said, will not imply such a covenant, because it is in restraint of trade, and for the same reason the sale of a sign with the firm name on it gives no exclusive right to the purchaser in the absence of an agreement for the use of the firm name.—Baltimore (Md.) Sun.

—Plantation Philosophy: It's tryin' ter be interestin' in conversation dat makes a liar outen many a man. De appetite ob man an' de vanity ob woman is what keeps de world's trade in motion. It ain't de pusson what bows low dat is really de humblest. De snake is all on de groun', but, Lawd, how pizen he is.—Arkansas Traveller.

—For macaroni, with cheese, or for Welsh rarebit, cheese which is too dry for the table may be used; when it is grated and melted, if it seems at all stiff, add a very little cream to moisten it.—N. Y. Post.

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Notice for Publication.

LAND OFFICE AT REED CITY, MICH. May 9th, 1883.

Notice is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before the County Clerk of Cheboygan County, at Cheboygan, on Monday June 18, 1883 viz: Hubert Galaher, Homestead entry No. 880 for the n/2 of s w 1/4 sec 11, town 37 n. range 3 west. He names the following witnesses to prove his continuous residence upon and cultivation of said land, viz: Joseph Blank of Cheboygan p. o. John Schemmerhorn of Cheboygan p. o. Daniel Mosser of Cheboygan p. o. Charles Hafner of Cheboygan p. o. EDWARD STEVENSON, Register.

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