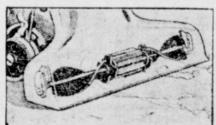
Marvels of Everyday Science

Competent Scientists Apply Their Skill to Problems of Agriculture, Houskeeping, Schools, Business and Governmental Activities.

N enormous hiplane made by the usual supplies, with a motion-picture Russian builder, Sikorssky, has machine with which to record events succeeded in making a flight of 18 of special interest. minutes' duration with 16 passengers on board, the weight c. the passengers and crew carried in this remarkable flight being 2,640 pounds. Even more ft. The weight of the aeroplane when empty is 8,250 lb. It is fitted with four motors of 100 hp. each, and pro- suggestion, an electric light man in vision is made for installing a fifth mo- Ohio, turned on his own porch lamp tor if desired.

Vacuum-Cleaner Nezzl, Has Brush Inside.

Ther has been recently patented a nozzle, for use with valuum cleaners, by the tenth of the month ten neighbors which has a revolving brush so arrang- on both sides of the street were opered just within it that, as the nozzle is swept back and forth over the floor,

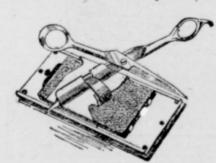


the brush assists in raising the dust particles, lint, thread and other removable dirt, and the action of the cleaner is more efficient.

Chinese Method of Preserving Eggs. Covering eggs with a thin layer of sea salt and vegetable ashes, made into a paste with water, the Chinese succeed in so preserving them that they do not spoil quickly, and may be shipped long distances. The paste is put on about a quarter of an inch thick, and the eggs are then piled up and allowed to dry. When required for use, they are placed in water, and the paste dissolves readily. It is found that the salt penetrates the shell and inner membrane, giving a de-cidedly saline taste to the egg, hence they are used for purposes where the salty taste is not objectionable.

Automatic Hone Sharpens Scissors.

A hone with an automatic guide that holds the blade of a pair or shears in the right position by means of a clamping and pressure spring, has been placed on the market and appears to be simple in operation and sure ir results. The base, upon which the carriage slides, is so arranged that the carriage can move only so far. A clamped guide holds the blade of the shear at the rig, t angle upon the surface of the hone. Once fixed in position, the



shear is moved back and fo th until the paper is made twice as large as properly sharpened, as the spring give usual so that the public loses nothing the requisite pressure and hold the in the way of reading matter. The obblade rigidly while honing.

Motorcycle Saves Explorers.

When the rear axle of their automobile was damaged, a party of Englishmen who are exploring the dark continent from the Cape to Cairo were saved from disaster through the possession of a motorcycle. One of the party baskward over the jungle paths for an pay highest price for second-hand regisoutpost of civilization, where repairs ters. We do expert repairing and guarcould be obtained, eventually returning antee our work. Will exchange to suit "What of eet ! Simply zees, saire. It in triumph with the necessary parts. our requirements. SUNDWALL CO., 805 means zat I shall nevaire, no, nevaire,

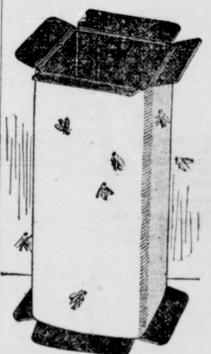
Motor-Driven Train for Roadless 'iround.

The principal feature of this motorsensational was a cross-country flight driven train in hauling heavy loads made by the same machine when it had across ertain sections of Australia the pilot and eight passengers on board that have no substantial roads, consists and maintained an average height of in the front and rear rail-laying wheels 3,000 ft. for a period of 2 hr. 6 min. which enable the vehicle to traverse This establishes a record both for dur- long stretches of deep sand and soft ation and altitude for an aeroplane car- soil without becoming stalled. The rying nine persons. This machine is of wheels of the engine, as may be seen, peculiar construction and is similar to are provided with a series of planks the first one of its type. The span which are automatically laid down and of the upper plane is 114 feet, taken up when the vehicle is it motion. while the fore-and-aft length of the aeroplane is 62 feet. The wings load of thirty-five tons and weighs are spaced 9 feet apart and have sixty-eight tons complete, of which the a total supporting surface of 1,820 sq. engine accounts for twenty-five tons.

> A firm believer in the influence of every night during the month of December. He gave no reason to his neighbors for so doing, nor did he mention to them the fact that he was operating this lamp continuously. However, ating their porch lamps every night. The fact that this was not a coincidence was established when on January 1 the electric light man discontinued the operation of his porch lamp and was followed in his example by all of his neighbors.

New Holder for Fly Paper.

A novel contrivance for holding sticky fly paper securely, and keeping it in such a position that tablecloths, centerpieces and polished surfaces do not come in contact with the paper has



the body of the device away from the that from . une 1 to September 1 burn-tion. These systems dovetail under co-surface of its support, while a full-itg without permit from a fire warden operative agreements into those of the sized sheet of sticky fly paper is fold- is punishable by law, besides carrying states and the government, making a ed about the center and kept in place liability for heavy damage if destruct triple alliance which covers the entire by projecting prongs thrust through tion results. Both private and official field. Preparation for more effective the edges of the paper.

Paper.

published at Eberswalde, a Prussian town near Berlin, is printed on only one side of the sheet, and on these days ject of this curious arrangement is to make tthe paper useful as well as instructive, as it can then be used for peared.

Cash Register Bargains

wrapping up provisions without any

touch of printers' ink.

mounting the "single-tracker," started Our prices about half other dealers. We The party is equipped, in addition to 2nd avenue, Seattle. Phone Main 1180, see you again."

Health and Sanitation

are liable to meet with dire results in of such a carper. this regard if vaccination is not more extensively done. An epidemic of any contagious disease once started is much more difficult to control than to establish the prevention.

Why did the French fail to construct the Panama Canal? Because they endeavored to treat disease after it occurred, rather than attempting to pre a matter of habit and convenience vent it. It is much more difficult to Bathing is an agreeable thing provided treat any preventable disease than to it is convenient and comfortable, and administer the prophylactic and far the necessity is great of having a bathmere expensive. Toledo numbered 139 room that is cheerful and warm so that cases in December. Portland had five, the habit : ay become a fixed one with but the latter city did not escape be- the children as well as their elders. cause vaccination is so thoroughly done The Modern Sanitarian emphasizes this -in fact laxity in this respect is constantly increasing. In Montreal, during nine months in 1885, 3,163 persons succumbed to smallpox.

Saginaw, Michigan, a few years ago, was quarantined as a whole against the surrounding country. What a terrible calamity to any city from a business standpoint, if nothing else.

There is no recognized standard text book on the science of medicine that condemns vaccination as a preventive acy in a cold room and then carry the against smallpox. There is no school of science medicine in the world that dees goes to show that bathing, like most not advise it.

THERE is, of course, the person who "If the slum dwellers were suddenly will contend that the fly isn't half enriched and changed to the dwellings so dangerous as advanced sanitary of the wealthy, while the wealthy peo-science contends. But such a person is ple were impoverished and transferred recently been patented. It consists of a rara avis these enlightened days and to the slums, conditions would soon bea hollow box-shaped affair of thin his ideas fly in the face of proved facts. come entirely reversed; the former slum metal, the outer ends of which extend No doubt the same individual would dwellers would become esthetics, desee no canger in a contaminated source voted to the daily morning bath, while of water supply and would make light esthetics would slip back to the level of of the whole scheme of community and the great unwashed.'

I IS unfortunate indeed that Toledo, individual cleanliness that is yearly Ohio, has suffered from a smallpox robbing the graveyards of the country epidemic. Many more of our cities of a tremendous harvest. Take no heed

> AVOID, as far as possible, handling flies with the bare hands. But if you do touen them, wash the hands thoroughly and avoid possible danger.

BATHING, as well as other good pracpoint in the following succinct argu-

"It is all very well to take a morning tubbing when we can slip from a snug bed into a bright warm, inviting bath room when the morning dip is a luxury, but how many of us vould insist on such scrupulous cleanliness if, like our less fortunate dwellers of the slums, we had to carry our water from a distant hydrant, bathe without privwater to a distant receptacle to be emppersonal habits, is greatly a matter of environment and convenience.

Dangers of Fire Season Explained

Western Forestry and Conservation Association Reports Progress in Preventive Work.

Federal and private lorest forces to the duces the return from forest industry, Western Forestry and Conservation As- which is the greatest source of comin the Pacific Northwest. The early dustry. Settlers are beginning to recog-season, with little snow in the hills and nize it as the greatest support of a inflammable vegetation well advanced, market for farm products.

if hot, dry weather is prolonged.

rights of way are the greatest source tending from Montana to California of danger. Settlers, loggers and road protect nearly 25,000,000 acres, employcrews are urged to clean these up as ing several hundred patrolmen, besides long as it remains safe to do so, but emergency help, and spending large outward, forming guards which keep reminded to take every precaution and sums for telephone and trail construcagencies report, however, that public patrol than ever before is being made sentiment in these matters has greatly this year and the public is urged to Newspaper Made for Use as Wrapping improved, there being much less care- reciprocate by exercising unusual care lessness than in former years when the with slashings, camp fires, matches and Two days each week a daily paper injury from forest fires to all members tobacco in the woods.

NDICATIONS of a dangerous forest of the community was less realized. Befire season, unless June brings sides the danger to the life and propheavy rains, are reported by State, erty of settlers, every loss of timber resociation, which serves as a clearing munity revenue in the Northwestern house for all forest protective agencies states and contributes to every other in-

is considered to cause increased hazard Method and expenditure for patrol and fire-fighting have been carried fur-For the next few weeks, before care-ther in the Pacific Northwest than anyless campers and hunters become most where els in America. The chain of numerous, slashings and uncleared allied timber owners' associations ex-

AFRENCHMAN staying at a London RS. PANKHURST, as the Majestic hotel, when presented with his bill, we sailed from New York, talked to a paid it without formal protest, but was reporter about the comparative deceitindignant at its amount. "I wish to see ze proprietaire," he said to the "Women," said the rep clerk. In a minute the proprietor ap-

'Ah,'' he said, "I must embrace you."

"But why should you embrace me?" head. asked the astonished hotel keeper, "I do not understand."

"Look at zee bill!"

"Yes, your receipted bill. What of

"Women," said the reporter, "are the more deceitful.'

"No," said Mrs. Pankhurst, "men The Frenchman was all smiles, deceive their wives."

Mrs. Pankhurst smiled and tossed her

"Oh, no," she said. "How could the average man ever get a wife if he didn't deceive her?"

A California firm is selling eucalyptus charcoal at \$24 a ton, as against \$20 a ton for oak charcoal. Since most of the California-grown eucalypts do not make good lumber, uses for other products of the pres are being sought,