much bigger than my thumb and badly swollen feet, indicating the dropsy caused by impoverished blood, said that and was a by impovenience clood, said that was the eldest of five brothers sisters, the father and mother dead. She was clad in a single d garment, dirty beyond descripboth dead. ragged ragged garment, dirty beyond descrip-tion, and was the worst case of itch I ever beheld. We bought some medicine for the disease and explained its ap-plication and provided the family for food for a few days:—but what godd will that do in the denths of their miswill that do in the denths of their mis-ery and the hopelessness of their fu-ture? If the readers of the "Descret News" could have been with me that day in Jaruco, they would not rest un-til aid societies were formed for the making of garments for these wretched creatures. Elaborate clothes and castoff finery are not needed; but sacques and skirts of serviceable cotton, made in various sizes, and blouses and trousers the boys, would be an incalculable boon.

The United States will send food through the bounty of the government, but it rests with my country women to cover some of this nakedness. In the last lot of supplies that arrived in Havana came a large lot of black butsent by some generous-hearted nt. "How useful" exclaimed Miss tons. mercant. "How useful" exclaimed Miss Barton as she gazed upon it; but it seemed to me that some garments upon which to place the buttons would be ot more service just now. Another case was that of a good-looking, refined was that of a good-looking, refined woman, perhaps 35 years of age, dressed in neat but shabby black with dressed in near out shaboy black with the saiddest eyes I ever saw. She said that two years ago she and her hus-band were in good circumstances, own-ing a small plantation upon which they employed six men and their ployed six men and their wives. A days after Macco's raid the Spanish Hors came in hot pursuft. The latwives few days after Macco's raid the Snanish soldiers came in hot pursuit. The lat-ter inquired which way the rebels had taken. They did not know, being out of the line of Macco's march, and therefore could give no information. Believing that they were trying to screen their friends the 'Spaniards beneving that they were trying to screen their friends the Spaniards killed her husband before her eyes and the six other men on the plantation and burnt all their buildings to the ground her only daughter, 15 years.old. was shot while attempting to shield the father and the baby in her arms re-ceived a bullet wound in the back which crippled it for life. She bas her land and nothing else but her sorrow land and now among the hungry reconcentrados.

I hope we did one little grain of good In the prison, but am not sure of it, as Spanish promises amount to little. We found an old man named Matamoras in a dark and noisome cell where he had lain for two years, apparently forgot-ten. He had been an insurgent at the the ten. He had been an insurgent at the heginning of the war, but gave him-self up when the promise came to re-lease all those who voluntarily came back from the field. He was promptly released; but arrested next day "on mappicion." And here he has been since, in almost total darkness and wretchedness beyond description. Now he is merely a breathing skeleton, too weak to raise his head, with the most terrible eyes I ever saw in human counte-nance. When the door was opened the horrible odor of the unventilated hole turned us faint. With a faint howl, ever saw in human countelike that of a dying beast, the old man called for water. A heavy jug of un-clean water stood near his hed, but a strong man could hardly have lifted it. and there was no cup. He said he had been fed a spoonful of rice that day, no that he was perishing of hunger. We hastened to the more, and thirst and hunger. We hastened to the house of the Spanish commandante and begged bis excellency, as a special fa-vor, to have the man, Matamoras, re-moved to a cleaner and lighter cell and that friends outside be aflowed to bring him food. The commandante was po-liteness personified and promised all

we asked. If we had requested that the doors be thrown wide open and the man set free, he would no doubt have promised just as readily. A gentleman residing in Jaruco agreed to telegraph me that night if any change had been made for poor Matamoras, and up to date, two days later no telegram has been received.

FANNIE B. WARD.

The smoke problem seems to have been solved for factories in a very sat-been solved for factories in a very sat-isfactory way by an Austrian engi-neer, Herr Fritz Maier. The solution depends upon closed furnace doors and slow feeding without admission of the free shows and this effected by and slow feeding without admission of air from above, and it is effected by means of an automatic stoker, which drops the fuel in small quantities on the front end of the fire, and an-ther automatic arrangement that shovels the fuel along the fire. The apparatus is cooled by water, which as it becomes beated is used to feed the boller. Perfect combustion is claimed, and a trial of six months in a factory near Vienna is reported to have re-suited in a saving of 33 per cent in fuel sulted in a saving of 33 per cent in fuel and 90 per cent in labor, one stoker doing the work of ten.

What he calls the "sense of return" in by M. Pierre Bonnier, in the light of the latest investigations, as not due to a sixth sense excited by the earth's magnetism, but as an extraordinary development of the memory of direction or of the power of keeping bearings. Whatever it may be, this sense is one of nine functions of the inner ear. This sense exists in man, but it has fallen into disuse, and it is in those species dependent upon the instingt for exist-ence that it has attained great power. Some marvellous feats of seeing Some marvellous feats of seeing through opaque objects that have ex-cited much wonder at Montpellier, France, do not stand the rigid tests of science. A committee of the Academy of Science and Literature hid two encontaining prepared cards velobes វណ 'Velopes' containing prepared cards 'in their coats and placed a third in a box with half of an exposed photographic plate at a house a quarter of a mile away. Only the contents of the box were described, after an hour and a half, and fogging of the plate on de-velopment showed that the box had been opened been 'opened.

Roentgen rays have been found to act on vegetation like very weak light in experiments by Signor G. Tolomei.

Volcanic action on a stupendous scale seems to have convulsed our globe at the end of Cretaceous, and be-ginning of Tertlary times. It was at this period that were deposited the imthis period that were deposited the im-mense lava-sbeets of the Deccan of India, which cover some 200,000 square miles. or an urea greater than that of New England and the Middle States combined, and have been regarded as the grandest example of the work of volcances in the world. Lava deposits, even more vast are new helleved by even more vast, are now believed by Newton and Teall to have been made in the Northern Hemisphere at the same period. From the geological col-lections of the Jackson - Harms-worth expedition, it appears that Franz Josef Land is formed of fragments of an ancient basalt plateau, which, from the distribution of similar volcanic rocks, is supposed to have once in-cluded Spitzbergen, Jan Mayen, Ice-land, Greenland, the Faeroes, the Hebrides and North Ireland in one con-tinuons area of lava-made land, most of which has since sunk in the North Atlantic ocean. in the Northern Hemisphere at the Atlantic ocean.

The long-familiar laboratory method of drying the air by means of a mois-

ture-absorbing agent has been borrowed by a Frankfort inventor for a patented dry barrel or box for preserving vegetables and other substances. The new apparatus is simply a box with a false bottom of slats, under which is placed a metallic tray contain-ing caustic potash. The vegetables, which is placed a metallic tray contain-ing caustic potash. The vegetables, fruit, etc., are placed on the false bot-tom, and the air-admitted only through the bottom--is dried before reaching them by passage over the potash. One charge of the drier is claimed to last six months. claimed to last six months.

An indestructible ink for writing labels on glass bottles is thus prepared, according to a German chemist; Into a solution of 20 grammes of brown a solution of 20 grammes of brown shellac in 150 cubic centimeters of lamp shellac in 150 cubic centimeters of lamp spirit is slowly poured a solution of 35 grammes of borax in 250 cubic centi-meters of distilled water, a suitable coloring matter—such as one gramme of methyl violet—being then added. Typewriters' cramp, it appears, has come to take the place of writers' cramp. We are told, however, that the discomfort of such a disease is more than offset by the enforced relief from

discomfort of such a disease is more than offset by the enforced relief from the corset that the use of the type-writer is bringing to female operators.

Hidden flaws in guns, engine cranks

rallway wheels, propeller shafts, and ber steel castings, are prevented in the process of Mr. Ellis May by an ingenious use of vacuum chambers. air is er The mould is placed in an air-tight chamber, from which the air is ex-hausted. This chamber is surrounded by a series of other vacuum chambers, each, connected with the central chameach connected with the central cham-ber by valve-controlled pipes, and in this way a reserve of yacuum is pro-duced. At the moment when the steel is poured, the controlling valves are opened, and the residue of air in the casting chamber is sucked into the surrounding chambers. The air and surrounding chambers. The air and gases in the fluid metal rush out and diffuse themselves in the vacuum, and the result is a flaviless, homogeneous casting.

The Russian province of Kursk s to be one of the most remarka-ble areas of magnetic disturbances yet known. M. Moureaux reports that the difference between theory and ob-bervation are so great that it is not possible to draw isomagnetic lines, and

possible to draw isomagnetic lines, and agnetic force is as great as at and be in the immediate vicinity of the magnetic poles. The dip of the needle, ranges from 48 degrees to 79 de-grees. At two points about 450 yards apart the declinations are minus 11 de-grees and plus 45 degrees, and the varialog and pus so degrees. And the vari-ation at two places about a mile and a'quarter apart is from minus 34 de-grees to plus 96 degrees. Nothing near the surface to cause these anomalies is known to exist.

It is a remarkable fact that of over 100 inds of iron meteorites only nine have heen seen to fail, while of over 400 finds of stony meteorites more than one-half have been seen to fall. Mr. Preston finds several reasons for ri. 1. Preston finds several reasons for believing that the iron meteorites are mere the crystalized metallic nodules contained in the larger and more, con-spicuous stony meteorites. I.

IN THE FUROPEAN MISSION.

[Millennial Star, Feb. 10.] Releases and Appointments.—Elder Edward C. Rich has been released from the Cheltenham conference and ap-pointed to labor in the Nottingham conference

President Woodruff, Barnard J. Stew-art, traveling Elder in the London con-ference, has been honorably released to return home and he left Liverpool on February 9, 1898.