THE PATNTED ROCKS OP APIRONA.
In "Picturesque Arizona," a new book by R Conklin, may be found an engraving ahowing the Painted Rocke (Pedras Pintados), curioun relies for earlier life in Arizona. The engraving which we reprodace on this page, is from a photograph by the Continent Stereoncopic Co., of New York, and is, we are told, the first delineation ever made of theme historic "remainn." Mr. Conklin and the Stereoacopic company have alno done many other valuable nervices in making known to outaiders the rare, eurions and beantiful phases of Pacific coast soenery and objecta of nature, art and artifice.

Mr. Conklin's account of his observations on the painted rocks is as followe: One of the leading features of interest to the traveler in the mesa land of Arizona is the nystem of pre-his. toric landmarka he is constantly coming in contaet with on all sides. Man has, as yet, how. ever, derived very little positive knowledge of them from any research or iaventigation, and they remain to this day a source of speculative interent to the traveler, from the time he leaves the Colorado, at Yums or Ehrenberg, until he completes his journey. It is in these featurea that Arizona presents hernelf as the land for the archeologist, the pwychologist, and all curious minds. Among the foremost of these are the "Painted Rocks" (Pedras Pistados).

About six milen from Oatman's Flat, on an extenaive plain, encircled by the famous Arixona mountains, in to be meen the largest and most perfect specimens of these Painted Roeks (Pectras Pintados). They are in the Gila valley, 120 milea from Tucson, latitude, 33, longitude, 113. To atop and examine these wonders of the pre-historic age, is only to enhanee the great enchantment that waylays the traveler in Arizona on every hand. They are a mass of rocks, evidently piled by wome physical power, ages ago. They are massed together in a heap about $\delta 0$ feet high, with a proportionate baia; and while some are of a gize that may be lifted by a man , others might be ranked with boulders. On these rocks or stones, are various figtres and imagra. Figures, geometrical, comic, and anatomical. There are aquares, circles, triangles, cronnes, snaken, toads and vermin, men without heads, and doge without tails.

In comparing them with some aketohes I made of the Aztec Calendar Stone in Mexico, they show some variations, though a similarity. The tigures are alightly indented in the rock; and Whether it is the rosult of force at the time of application, or whether the chemieal effect of the subistance used, eating into the rook, are questions with me. I found it to be a common tradition with the Indians that they were put there in the time of Monteruma, to record treaties with the different tribes. This would make them 400 years old. Some geologists claim the inscriptions to be only 100 years old. Comparing them again with my photographs of the Aatec Calendar Stone, the similarity would seem to support the theory that they might have been the chroticling of that age, and the variations maggeat, by perhaps different tribes or secta of that age. This would seem to have some weight, as the ntones are of an indiscriminate collection and the paintinge are an indiscriminately distributed as regards the size of rock, in proportion to the arnount of chronicling to be done, I should imagine. Opinions, however, are as varied as in other cases concerning the
archeology of this mont wonderful conntry. In archeology of this mont wonderful conntry. In regard to the rocka, it has been suggented that they were monumenta of boundary fines between the different tribe' lands. It is the reader'a tura to go forward and add his investigations to the yet meager knowledge of the atone.

Tus Landon Chamber of Commeren has alopted a resolution is favor of an international agreement for the remonetization of silver.

MMMGRANT SLKRPING CANK,
At their shopa at Sacramento the railroad company is at present engaged in fitting up 25 cars, which are to be uned for the transporta. tion of immigrants and emigrants to and from the Fast, and which are a great improvement on those at present in use. The new care aro being fitted with upper and lower berth, somewhat after the manner of caboose cars. The upper berthis swing freely on iron rods, and when not in unc can be hung up on the roof of the car, where it in not in the way. The lower berthe are formed from the meats, which are made up after the manner of the present aleepors, by turning down the backs, ote. Slata are then placed cronawise, and when laid out the berth are exceedingly neat and comfortable. This will be a great oonvenience to persons traveling third-olass, as heretofore they have been compelled to ait up or make ahift the beat they could. The only difference between thens remodeled cars and the prenent aleeper will be that the former will not be upholstered. Another benefit which the Company will derive from this improvement is that they will be enabled to carry more pansengers in a car, from

## TO RREVRNT NXPLOAION.

Mr. John Napier of Kidinbarg, Seotland, proposen the following mechanical deviee for the prevention of boiler explosiona: The devise consints in the attachment to the boiler of a plate of copper or other metal of similar qualities and ductility, whioh plate in firmly seeured between two perforated plates of iros or other metal, and in coverod by them on its upper and lower sides, except at the places of perforation, these places corresposiding to each other in the upper and lower plates. The perforations are greater or lons in diameter, acoarding to the size of the boiler. Direct commanication is established between the apparatun and the is. terior of the boiler, and aecording ne the thiek. neas of the istermediate plate is varied with refarence to the atrungth of the boiler, it realate a greater or less prossure. When this proseure in exceeded, the stam causes the intermediats plate to give way at one or more pointa betwean the correnponding perforations of the upper and under plates, and by the steam thus encapiag from the boiler an explosion in prevented. The apparatus, which in intended to be aceessory to the ordinary anfety valve, may be elither at-


THE PAINTED ROCKS OF AllizONA.-Pedran Pintados.
the fact that heretofore only one passenger could be placed is a seat, no that he could have an opportunity to lie down, but now the opper bertho will make aleeping room for an extra number and more can be acootumodatel. It in a merciful act on the part of the Company, as heretofore the immigrants and emigrants have been very uncumfortable while traveling, Sev. erni of the altered cars are already completed. -Sacramento Bes.

MAONETIN of Loaditose AND or BrkfiDr. A. L. Hole, a Freach scientists has inventigated the comparative influences of equal amounts of magnetiam upon the loadetose and upon glasa-hardened steel. He has reached some novel conclunions, among which are the followingt 1. The maximum of jermanent magnetion is the lashotane, for equal volumes, in about the same as that in the hard steel. 2. The specific magnotism of the loadatone is the greatent of all magnetie bodies yet invectignted. The permanent magnetimen of the loadstone is nooner rasched than that of iteel. 4. The quantity of temporary magoetiam which diwap pears, after the magnetiring force is removed, is less in the losdatotie than in steel.
Bives the United Btates Sapreme Court decivion in the Reynolds case, it is eatimated thas 200 polygamons marriages have taken piace is Salt Lake and St. George.
tached to the boiler or fitted to a tube or neek necured to the boiler. In order to give addi. tional secarity, the apparatus may be fitted is two or more placee on the boiler aubjected to prosaure. The platen are so attached to the boiler and to each other that the intermediate plate may be readily removed and replaced by a freah one.

Tun Mingzal Cuatrk - Although it wa known for some time that cerium aniline hloek was a valuable color, it was not used in calice printing because it was thought that the eeriam salte were too expeasive, and no sttempte to produce them cheaply were mads, Recently, however, the maneffasture of cerigm nailine black has bees introduced by Jacob Lyteches of Mt. Petersharg, Rasaia, with mach soceses, It wha found that cerium salto sufficiently froe from any injurions suletances sould be matis. fretured from the mineral aerite by a slimple and sheap procese whieh every calico-printer coeld esuily carry out. As BL. Polensharg the mineral which in derived from dopaits is gueias, Anay Tiddarhytta, Weetmannland, Sweden, io fiaely powiered, then treated repeatedty with oul. phurie ard, and finally extracted with cold wnter. The cerism aniline bleek thus made is said to be cheaper and more effective thas the vonadius aniline black.

Tus Ithode Ialand Legialatare has refused suffrage to women.

