THE EDITOR'S COMMENTS.

ANTI-TOXIN.

Considerable interest is taken everywhere in the newly discovered r medy againet diphtheria. Experiments have now here maile in different parts u the United S a esse will as in arms o the principal office abroad, and reput-continue an ut the sinost miraculous oures effected.

Thus, a dispatch from Milwaukse says that anti-texin has saved a suober of lives in that oils during the las ten days. One case mentioned is par-ticularly striking. A child, aved 4 years, whose parents reside on Finn du Lac avenue, was stroken with diph-theria in bad orm at ut iw week-ago. The famili physician treated the patient for four days with u being able to stay the proviese of the Insidi us disease. On the fifth day th father of the only requested the doctor to try the anti-t Xin, sn t accordin ly Dr. A. J. Scott, who was the firs p -ysis an to securea duse the newr may in Milwaukee, wis called to fur den-sultation. D. Scottinjected the u u i am unt of the anti-1 kin last Ba u-day. At that time the onli was unon Den Ous, its pulse was 156, and its temperature 103 3 5. a. d the urine o tained a large percentage of alhumau, The case was an had that four treatments were necessary. The at ti- oxi-attacked the disease from the first iijection, and soon the child was playing around the house and orying for permission to go out.

The discovery of this remedy is the result of sole tific experiments in Germany and France, and Dr. R. ux, of the Pasteur institute in Paris, is aste to be the first o e to put it into practical use. As soon as it hed bee-established that the deadly effect of diphtheris is due to a poisou secrete by the microhes and entering the blog of the catient, the sinctors conspense to rearch for a substar co to Deutral 20 the point or kill the little stime-that emit it. The investigation re-sulted in the discovery of the remedy pow known as anti-tr xin.

pow known as anti-tr xin. It is a long and tellous process to obtain it. A collection of microbes from a very had ease of diphthetic i-first secured. These are car-fully placed on a messlid fineserum, where they gr w very raiddly. After a few hours they are transferred to a liquid for further nourishment. In this broth of veal and pept ne, there is, in a month of six week, on u b poison secreted to kill a guines pi , i' two. tenthe of a gramme a injected into its vetue. The liquid is now filtered vetus. The Hquid is now filtered and the colorless substance, nn longer containing any microles luy charged with diphther a polson, is in jected into the vein of a horse. On the first day about one gramme is given. The operation is repeated d ily an the dore increased until an ounce is reached. The animal at first shows symptoms of fever, but after a while these pass away.

A'ter six weeks, blood is drawn from the horse, and the serum sensated. This is now anti toxin. By continuine the treatm of of the horse for longer

- id to increase, and the animal can be used for years, its general bealth apparently not being impaired.

The injection of the anti-toxin is made under the skin above the thigh and the quantity must vary seconding to the virulence of the case, Twent reammes is the usual amount. The --medy works as a touto as well a-anti-rate. Patiente under treatmin get ruidy faces and present an ano retter striking appearance to those who have not the benefit of the unw 1000Verv

It auti-toxin really does all that heressems to be very little room for nult-it may safely he calle I the most impurtant metical discovery of later sears. If it can anoten from the enre generally the violime of the dread "lisess", it marks a victury of science ver one of the most bitter en-nies of mankind. Discoveries of this nature are generally far resching. By todicating the true road, they lead to new discoveries, which again may open the dors to others still mor startling. And thus science gives . ep by step toward influite perfection.

ON THEIR RESERVATION.

As stated in Agent Day's report to Washington, the ludt us from C+l radre again on the Southern Ute reservaton. The agent resfirms his state cents regarding the while proceeding, which were to the effect that few fudians were away from the reservauitted. He also adds that the "expense of returning Guvernor Wes ". usmouth iuvariou fias Leea \$39.nun-aud duil rst supply Inuits s in , aeplurable condition and 110 miles rund the a ency." He seek to make a ay upun tue silesed fact that only to intered fact that only to intered fact that only estration, whereas the complaint on the Sau Juan settlers was against Uses. Weemiunches and all others uniawully 1. Utab. T. on the agent says e lo tod unly eleven Ut-s, but in his repirt he names eleven ohiefe who were at the Moulicellu conference, to say othing of their fulluwing.

Puese sta emente a u DUB/erous ther inscouragies and contradictions in the agent's reports an to indicate hat the S at Lake pap rs may have tone Mr. Day an injustice unwitting-y. They looked up h m as a person ossessing an ordinary amount 1 raise and as fairly shrewd, but som what overburdened by a stock of con-celt and imper inence. Recent deveioments, however, lead to the couclumin that he has out a monicum of min useuse. Taking his proceedings r to the opening to the claim of this usiness, they carry a conviction usiness, they earry a conviction the mental incompetency of the gent, for which he is to be price ather than berated. But just the same, the Southern Use reservation needs a new age t, int it is even more periods, the strength of the remedy is danger us to both white men and tion. It is all wrong-a sad departure

Indiana to have the office filled by a crank than by a knave.

Were the disparch referred to the nnly authorny for believing that the In lans bave returned to their reserve, there might be some doubt as to the fact. News of a similar nature, however, comes from Ban Juan county, and a also confirmed by Culonet Lawton, the following, which appears it the De ver News I D cember 25 ht

A telegram was received yesterday at A telegram was received yesterday at army headquarers from Colonel Law-ton, map-o or general of the department of the Colurado, in which the colonel states that Ignation and his found of Ules have staken the titlet of Utab from their garments and are again within the intendity shelter of Culorado. The Utes were divided in a two partles for the were divided in o two parties for the journey. Coionel Lawton s area that be had been six days and three uigh s in the saddle, under traing conditions. He is expected o reach Denver frum Du-range un Friday or Saturday of this week.

A PROPER CHRISTMAS.

Among the many other excellent lessuns taught by the "hard times," me of the most salutary has been that cift-giving at Christmas does not receswrity mean a large utlay of muney to he Durchase of expensive pressure. trobab y the holices just passed tound as few children u provided with it the mikens of parental love as any similar inceasion in many parental love as any similar inceasion in many year; and yet there have been few seasons, at least in the last twenty or twenty-five vears, when money was more scarce or when people generally with as poor as they do just now. Notwithsta ding this, the shop-keepers tisve nere a fatriy good business. The triukets and other remembrances to--parably o nnecieu with the cuming of Synta Claus, have not filled the riectant wee unes, and the bullday sti r Und has been as merry and joy-ous as though there were no such nings as deb s or money strugency in the world. The meronanis have shown wisdom in the selection of their stock, leaving the high-priced novelties ut of their purchases altugement; and their customers, acting under the force of negestity is not of pinder Cr. have been able to convert pluder Cr, have been able to convert a small sum of munsy intu a really i rge sumber of useful or apprupriate remerubrances of the fea tval time.

We cousider this a very proper and gratifying result; if it required that mere should be hard times in order to bring it about, then the hard times bave again proven themselves a bi-se-ing. Of recent years the custum of giving presents at Christmar, like that f giving presents at weddings, time been one that in perhaps the majority of cases deserved more to be hunored the bresch than the ubservar ce, Y usig men and women, as well as nesses that they could but afford, to many owners actually burturing of unpitus in debt, for silt art cles for une another. Through bavios acentes like tokens on previous - crasi na, they have telt under obligations tu make payment in kind. The spirit signification of the builday 088 end. hus been turned into a Dervous Worry r a culd, estculating purlorss trans e-