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| The vertical olenfige planes and few oydown throw fissuras whieh exist play but or |  |  |  |  |
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|  |  | minvi tarim |  |  |
| ley bed, sidewise and down wards, leceb-ing every permeable siratom that will givo ap its ant and aily contents. Along the |  |  |  |  |
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|  Top of the olayey deposita next below it,colleot the mised proseeds of the drainage |  |  |  |  |
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| collect the mised peoseeds of the drainage lary attraction and hydrostatic pressure |  | 2501 palde aitictily |  |  |
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| perpetually re-eaforee the reservoir. The wisongt of rock on lop and the pressare of ward and upward by every sooret erack to |  |  |  |  |
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|  |  | The End of the War |  |  |
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|  gatiber. $\Delta$ well masy tho paw tho watr |  |  |  |  |
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| plase to oppose a like obstruotion. Insome parts of the western coal field the dip is as high as five degrees, snd the bssins from five to ten miles wide. Sharp |  |  |  | wromem |
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| fexures make loval dipa of thirty degrees sure to aubdivide tho basis. In tho see- |  |  |  |  |
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| gat-blowing salt-wells, their aetions dematrate that they have boen bored past salt twater atratum ; for when the water is allowed to rias in the suger bol |  |  |  | emitaph. |
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| stopping the pumps awhile, then the gas ng their issue. In the cass of neighbor ing walls of d/fferent depths striking a highest up will deliver gas strikas highest up will deliver gas ; anotherstriking it lower down, will deliver oil ; third, striking it atill lowar down, will de liver nothing but alt water |  |  |  |  |
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| with the noise of heavy rais; sometimes timbers of the roof, is the upper galleries timbers of the raot, io the uppar gallerio |  |  | of the Butue, coputuriog Lexingeton and | moe |
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| of the mine, in desarted portious of the and lations of refuse coal and olate, called |  |  |  | to $e^{\circ}$ |
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| "gob," or "goaf," with whigh the miners pillar up the superinoumbent rooks. These beose wast reservoirs of fre dapp The |  |  |  |  |
| besome vast raservoirs of fire damp. Thegas collects especially over the antiolial |  |  |  |  |
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| rolls. From these great powder maga barometric prossure in the atmosphere, th |  |  |  |  |
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| gas ruaher out to fill tho working rooms.Long experienoe bad shown that a falling bsrometer and explo ions in coal mines |  |  |  |  |
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| slways go together. Bat the misehiof is |  |  |  |  |
|  mome forward freeh and prodwo |  |  |  |  |
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| another, and again another, until the pro portion of air to gas bucomes too small to the stroke of lightning, tha coal mine explosion is not a unit, but a beries, cause the last result. |  |  |  |  |
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| mong the most curious exhibitions of |  |  |  |  |
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| nuxem that the film of black bitumen found in the cavities of the calciferous san rook of Now York, with orystals of bitter |  |  |  |  |
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| and, as the eryatal hardened and grew, it tumen, brittle, very pulverulent, of a shing |  |  |  |  |
|  |  | soan |  |  |
| blsok, yielding little ash, and 11t per <br> cent. of (principally) water. The sain | 0 |  |  |  |
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| - mamillary surfaes, arguing original fluid ny, oharaoterizes the apecimas obtained |  | mitath, of doubt and jelloonly, of vin |  |  |
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| panying trap dykea; readily erumbliug <br> a black powder, and, when bigbly heat. |  |  |  |  |
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| a tarry oil, and leaviog 80 per cent, of a buirns away, lesving only a traea of ash. |  |  |  |  |
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| Colfax, who maid, "as we eannot agreewith the South we must fight," to suoh asLEGAL BLA2VK' : |  |
| R. G. Ingressol of Illinoi-, who said, |  |
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