Marvine amb myself, while a similar view has been advaticed by S. F. Emmons to aecomit for the origin and concentration of the Lemdville ore-deponits.*

Had the eopper been derived firm the samdstomes, then one would stppose that moler them shomld be fomm the greatest supply of copper ; lont such is mot the case. That the comese of water depositing the copper was genemally downard is indiCated ly the finding of spikes of eopper and calcite that extemb fion one bed down into others, with the small eme downward, like an ievele; hy the fidet that when the eopluer is mot miformly distributed theonghome the ber or thew that is mined it is otten,
 be the tiact that the largest masses of copper have manally beren fomber in the "lymer pertion at of the verins.
 Wats completo is shomen her the that it is fomm in fissmes extembing aroms the herls that eonld only have heon pronluced atter the beds wore in place: bey the fact that the colper was deposited subserfently to the jointing of the lavas, owing to its
 ing: alld bey the extension of the copper firom one fow down inte allother as at contimmons mas.

The means by whieh the copper was comeontrated ame de-

 that almatis the attention of the rhemist who is willing to give his time and thomelt to the subiont, althongh lomperly alvorates the idea that the primetpal agen is the oxide of irom. In this he hats murli to sustall him, amb his view is gemerally anlopterl. $\dagger$

The strmeture of Kemedmax loint may, then, be smmmatized as follows: A deprsit of sambtome owerlain ber latithows minglad with more of has of interhededed eonghomerates, amd finally overlain by samdstomes. Silbsequeatly these beds satfered longitudinal and ross-facturing and tanling. Later all

[^0]
[^0]:    
    
     Latulville, 188ti, pp. 37s, 379 .
    $\dagger$ Geol. of Wich., 1873, 1., part 11, p. 14.

