BOTI £2 CAVE MILL IMPROVEMENTS. T.] Sec 3 THE STONE CRUSHER. Gre ð 8m2 It is now close upon 30 years since Mr t Mitchell first opened up his lime quarries at Cave Hill, Lilydale. Ρ. quarry was then in its infancy, but since Μú that time, under the wise direction of the T. 4 owner, it has developed into one of the 12 foremost industries of its kind in the state. rut . The quarry itself has been enormously suitarged, and several other important branches of industry have been established £2 x on the estate, to the evident benefit and M. 38 advantage of the township and the district 2; of generally. ١. **50**, The most recent addition to the establishì. \mathbf{D}_{i} ment is an up to-date stone crushing plant, 400 10 the erection of which was completed on VOI Monday, and, by the courtesy of Mr Charlie fial of Mitchell, our representative was enabled to fro 25 view the machinery in full working order. go ď. Right through the limestone in the quarry there runs a seam of what is known as wh ۱-"bastard" stone, a kind of bluestone or 0 spi granite, which has always to be carefully . Wa. separated from the limestone before the ٥, latter is deposited in the kilns. Thousands d On of yards of this stone, the accumulation of gif r years, lie in the vicinity of the quarry, and now it is to be converted by the crusher gif Til 1 into metal which will be utilised in the con-P٥ n struction of Monier pipes and also by shire Til 1 councils for road making and repairing. BBC When it is mentioned that the plant, comď dis plete, incurred an outlay of £600, and that ١. ber it will give practically constant employ-8 and ment to several men, besides carters, the significance of the undertaking will be appreciated. The machinery, which has been constructed by Messrs Jaques Brothers, Ģ. • E. pet of Coppin-street, Richmond, and was erected by M-A. G. Goodwin, one of their engineers, under the supervision of Mr C. Mitchell, consists of the crushing machine and a large circular screen, perforated so that the store middled through its interest. 800 yar Log ì, W. y yar that the stone riddled through it into the d abo hoppers below is of uniform sizes:—i inch, i inch, it inch, and 3 inch. The crusher, which weighs 6 tone, is driven by a 10 h.p. portable engine, and is similar to mo r, hac g goi those new generally used by the city cor-porations. The crushing parts consist of t, Pri 0 De two serrated jaws, one of which is Hu stationary, whilst the other works upon an adjustable block in a horizontal position. מ ent M. The range of the movement of this jaw at Ma the point of contact with the stationary E block is very small, but it is adjusted so that when contracted against its coadjutor. frai coadjutor, 10 fractured and crushed. On passing f wo passing -1 Letween the crusher, the metal drops over 24 a shoot into an elevator, 38 feet in length, which raises it a height of 15 feet and delivers into the revolving screen. The acreen is placed in a slanting position, so f Ma Job . Oat yar that the stone is kept continuously moving from one end to the other. The metal passes through the perforations in this arrangeonly Pla also ment into the hoppers constructed below to 2 receive it according to the various guages 8 to which it is broken, and is afterwards 2, 6 ١, discharged through shoots into trucks on ing H. the railway line below. Trap doors are 3, also provided so that the metal can be con-1veniently loaded into drays. At high g speed the wheels of the crusher make 400 0 nei revolutions per minute, and the elevator 8 runs at 30 feet per minute. The output 0 will be about 50 yards per day, but the G. y plant is capable of much larger quantities ١, than that when in full going order. . Already a number of large orders are 8 coming to hand, one of which is from the 800 Munawading shire council for 3,000 yards. y a 0 Lo The plant is under the general supervision W of the manager of the quarry, Mr Fuller. ya It might be added in conclusion that the ab building in which the apparatus is boused is built of the best Warburton sawn timber, m ha upon a solid concrete foundation. go Lilydale Express March 23, 1906.