ed the ancesthetic properties of the drug, whilst admitting that it was a most excellent hypnotic. On the other hand, M. Leon Labbé admitted its were replaced by two long strips of bandage well anæsthetic properties; but both these investigators saturated with a paste of plaster-of-Paris. This denied the transformation of chloral into chloroform. , change was instituted for the purpose of obviating M. Bouchut now declares—and I must sum up the disturbance of the flaps through a displacement briefly, so as not to devote too much of my letter of the wooden splints which is rendered necessary to this subject—that chloral is a powerful sedative: for the removal of the deep sutures on the third or of the nervous system, motor as well as sensitive: 'fourth day after amputation. The wire sutures that it must be employed in a crystallized form, and can be readily withdrawn through the plaster perfectly pure; that it must not be administered splints without necessitating any movement of the beyond doses of five grammes to adults, and one to apparatus covering the stump. No sponges were two to children; that it is dangerous to employ it tused during the operation, and after the stump had in any subcutaneous injections; that it is more, been secured the wound was covered by lint dusted speedily absorbed by the rectum than by the with creasote powder. stomach; that its action is that of chloroform, into which it is transformed within the human organism; that it brings on sleep, sometimes accompanied by a not unpleasant intoxication, soldon by hypercesthesia, and most frequently by anæsthesia, which is: more or less complete, according to the strength of land also for preventing collections of blood, pus, the dose.

have investigated with peculiar care—I mean the between the edges of the external wound, recovery theraporatical properties of chloral; and as this part is frequently retarded in consequence of a deepof the subject has been less ventilated than that of | seated accumulation, which must find its way to the the physiological effects of the substance, I subjoin; surface sooner or later. The stump resulting from in M. Bouchut's own words, the results of this practice: - "As a therapeutical agent, hydrate of chloral is the selative of violent pain in gout; of pendage. This, however, by the subsequent relaxthe atrocious sufferings occasioned by nephritic colic lation and partial absorption of the soft structures and dental caries; in a word, it is the very best of of the stump, becomes much reduced in size, and anæsthetics administered through the stomach. Lastly ! ultimately constitutes a firm and useful extremity. it is the quickest and most efficacious remedy in . The deep sutures have been applied by Mr. Marintense chorea, when it is required to abate speedily | shall in several cases of amputation; and there will, a condition of restlessness which is in itself a peril doubtless, be ere long a sufficient record of cases to the patient."—Paris Correspondent, Lancet.

## University College Hospital. OPERATIONS BY MR. MARSHALL.

1. Amoutation of the Leg.—On the 4th inst. amputation at the lower third of the leg was performed on a man whose foot and ankle had been much damaged through the inflammatory processes following a severe crushing injury. There was great loss! of integument, especially over the outer malleolus, the left knee. This was followed by extensive and extensive sloughing, which had involved the sloughing of the integument, and the formation of ankle-joint and caused softening and detachment of a large granulating surface over the front of the the articular cartilages. The operation was one of leg and the popliteal space, which had cicatrised much interest, in consequence of a further modifieation in a plan of dealing with stumps, which, though frequently practiced by Mr. Marshall, has not, we believe, been hitherto tried by other surgeons. The two flaps were lateral and rectangular, of equal dimensions, and of large size, as they extended for some distance in front of the ends of the bones. After the arteries had been closed by torsion and the edges of the wound approximated after the usual manner by interrupted sutures, two strong wire sutures were passed deeply through the substance of both flaps close to the ends of the bones, so as to bring together and maintain closely in contact the inner muscular surfaces of the stump. It had previously been Mr. Marshall's usual practice to supplement these deep sutures by two well-

padded wooden splints, which were applied over the flaps; but on this occasion those appliances

Mr. Marshall, in some remarks made after the operation, stated that this plan of treating stumps was proposed as a more effectual means than the method of bandaging for keeping their muscular surfaces at rest and in close contact with each other; and other irritant fluids between the flaps. There is one point which M. Bouchut seems to | many stumps, after speedy union has taken place this plan of amputation seems at first large and unsightly, as the redundant flaps form a fin-like apfor enabling surgeons to judge of the utility of a plan of treatment which seems to be well adapted to lessen the time of healing of a stump, and, consequently, to prevent erysipelas, pyæmia, hectic, burrowing of pus, necrosis, and all the general and local complications which result when a stump does not heal favourably.

2. Plastic operation for Chronic Ulver.—The subject of this case was a young and healthy agricultural laborer, who, some few months before his admission into University College Hospital, had received a severe injury to the soft structures about favourably over a great part of its extent, but left a long and narrow ulcer extending across the posterior surface of the knee-joint. This, in consequence of the retraction of the surrounding cicatrised tissue, and of the frequent action of the hamstring tendons situated immediately under its base, could not be made to close, and the man was sent to Mr. Masshall under the supposition that amputation would be required. The limb was kept at perfect rest and in the extended position for about five weeks; but as this treatment had very slight effect upon the size of the ulcer, Mr. Marshall decided upon performing the following operation, in order to give the patient a chance of retaining a useful limb:—The edges of the ulcer having been pared, a long flap of integument was transplanted