		=
	of the Brarrows and Ponorional D	<b>3</b> -
The second second	PROPERTY BY CREWERAL TUROURS, ARRANGE	D
AND THE PROPERTY OF THE	THE SEAT OF THE MORBID GROWTH.	
Tiefe 19. Theneue	rs of the Convex Surface of the Brain.	
Decement of	f motion alone	
n n	sensation and motion	
, , , , , , , , , , , , , , , , , , ,	motion and intellect	
n	sensation, general and special 1	
99	motion, sensation, general and special 1 motion, sensation, and intellect 3	
<b>"</b>	motion, sensation, and digestion 1	
, <b>n</b>		
	Total 13	
· O Mumauma aida	untal in the Cubetance of the Hemionheres	
2. I WHIOUTS SILI	sated in the Substance of the Hemispheres.	
Absence of all s	ymptoms 1 sensation 2	
	special sense and motion 1	
<b>"</b>	motion and intellect 2	
n n	motion, general and special sensation 1	
. 11	motion, sensation, and intellect 2	
,, 25	motion, sensation, and digestion 1	
**		
	Total 10	
3.	Tumours of the Falx Cerebri.	
Absence of sym	toms 1	
Derangement of	motion 1	
"	motion, intellect, and sensation 1	
•	Total 8	
4.	Tumours of the Cerebellum.	
Derangement of	sensation 1	
"	sensation and motion ::	
"	sensation, motion, and intellect 1	
77	general and special sensation and	
	digestion 1	
	Total 5	
	20002 000000000000000000000000000000000	
5. Tumov	irs situated at the base of the Brain.	
Derangement of	sensation 1	
. 29	motion 4	
29	actionation, general and approximation	
"	sensation and motion	
99	sensation (general and special) and	
. ***	motion 6	
	sensation (general and special) and	
<b>33</b> -	intellect 1	
29	sensation, motion, and intellect 2	
**	sensation, motion, and digestion 1	
"	general and special sensation, motion,	
	and intellect	
<b>33</b>	general and special sensation, motion,	
	and digestion	
<b>3</b> >	gestion 1	
	600000000000000000000000000000000000000	
	Total 35	
. Cim als Management	a with nameta alteration of Carebral Tiense	
	s, with remote alteration of Cerebral Tissue.	•
Absence of symp	sensation and motion 1	
	sensation, motion, and intellect 2	
. 22	sensation, general and special motion,	
33	and intellect 1	
	_	
	Total 5	
	7. Multiple Tumours.	
Abcomes of comm		
Absence of symp	sensation 2	
	the senses	
~	sensation, general and special 1	
••	sensation and motion 4	
	sensation, motion, and intellect 1	
. "	sensation, motion, and digestion 1	
· "	general and special sensation, motion,	
e*	and intellect	
	14	
	15	

Tagen commune surp. Butarova.	Base:		to B		
DEMANGEMENTS COMIDERNO	ATTE	127	mpot	200	1
SEAT OF THE TUNOURS.		. •	•		

	Total No. of tu- mours.	Gene- ral sen- sation.	Motion.	Special sense- tion.	Intel- lect.	Digde- tion.
Cranial tumours	4	2	1	1	_	-
Tumours of convex portion of brain	18	9	12	2	4	1
Tumours of deeper parts of brain	10	6	7	2	4	1
Tumours of falx cerebri	3	1	2	1	1	-
Tumours of cere- bellum	5	5	2	2	1.	1
Tumours at base of brain Single tumours with remote cerebral	85	27	27	26	10	6
lesion	5 15	4 11	<b>4</b> 8	1 4	<b>8</b> 3	1
Totals	90	65	63	39	26	10

Cheltenham, Nov. 27th, 1854.

AMPUTATION AT THE SHOULDER-JOINT UNDER THE INFLUENCE OF CHLORO-FORM, IN A CASE OF GUN-SHOT WOUND.

By RICHARD HODGES, M.D., F.R.C.S.

In illustration of the truth of the remarks in a recent leading article, entitled "Chloroform on the Battle-Field", I forward the following brief particulars of a case of amputation at the shoulder-joint, performed on account of a

severe gun-shot wound.

Case. In the early part of the present year, I was requested to see a young man, aged 19 years, who had been shot through the arm by the accidental discharge of his gun. At a period of two hours after the accident, when I first saw him, he was in a state of great depression, and had not recovered from the shock which so severe an accident necessarily occasioned, for he was cold, and apparently life-less, with a quick and scarcely to be perceived pulse.

On examining the limb, the upper end of the humerus was found extensively comminuted, and splintered to within a short distance of the joint; the soft parts around, and especially on the inner side, frightfully mangled, and with injury to the chief blood-vessels and nerves. Perceiving that amputation was required, the inhalation of chloroform to a moderate extent—twenty drops on a piece of lint—was at once had recourse to, with the effect of increasing the force and frequency of the pulse—acting, in fact, as a stimulant; and when, after a short interval, a sufficient quantity had been administered, and ansesthesis was secured. by the occasional addition of ten or twelve drops, before a drachm of the fluid had been used, the operation was per-formed in the following manner. An incision of three formed in the following manner. inches in length through the deltoid down to the bone, so as to expose the joint, was first made; the knife was then made to pass obliquely downwards and outwards, for the flap had to be principally formed from the outer and upper part of the shoulder, on account of the injury inflicted on the inner side; the joint was then opened, and the knife made to pass behind the head of the bone, which was readily accomplished, for the muscles were in a state of relaxation, although the loss of the power of throwing the head of the bone out of its socket, from the lower part of the humerus being separated from the upper, rendered this portion of the operation more difficult than if the bone had been intact; the instrument was then made to cut its way out from without inwards, at which period the subclavian artery was compressed by a professional friend. Two arteries only required the ligature—the axillary and another; and these



The wound healed nearly by the first intention, and was quite well and sound in five weeks after the operation. The young man progressed satisfactorily in every respect, and has been in good health ever since.

REMARKS. This surgical case is recorded, not on account

REMARKS. This surgical case is recorded, not on account of any peculiarity it in itself possesses, but simply with the view of showing that the state of constitutional alarm or shock which succeeds any bad injury need not of necessity preclude the exhibition of chloroform; but that it may be safely and beneficially administered before reaction or a return towards life is thoroughly established. If, then, this be the case, it appears of vital importance to save a person the additional injury which an operation would inflict on the system, and so rescue him from a second shock, which might prove utterly destructive to success by paralysing the already enfeebled vital energies. Common sense would dictate the propriety of not performing any operation before the constitution had recovered

from a state of alarm is realised!

If, then, this be so, how important is its administration; for chloroform not only prevents pain from being felt, but in effect makes one of the two shocks that would otherwise be communicated to the cerebro-spinal centres.

itself to a certain degree from the shock it had sustained, without the use of chloroform; but with its valuable aid, it seems that an operation can be safely performed without danger of adding to the depression before complete recovery

Rochford, Essex, December 1854.

## CASE OF COMPOUND FRACTURE OF THE CRANIUM, WITH DEPRESSION: TREPHINING: RECOVERY.

By GEORGE POUND, Esq.

ENIMERT men vary as to the propriety of trephining in cases of simple fracture of the skull, when there are no symptoms of compression. Some (among whom is Pott) advocate the use of the trephine as the rule in fracture of the skull with depression; others hold that no instrumental interference is justifiable, unless there be not slight, but decided, symptoms of compression. In compound fracture, however, it is generally acknowledged that it is best to trephine at once, and not to wait till symptoms of danger appear. In the following case of compound fracture of the skull with depression, no symptoms of compression were present at first, and only very slight symptoms afterwards; there was no delay, however, in the performance of the operation; and to this, and to the youth and natural vigour of the patient, I attribute the favourable progress and result of the case.

Mr. Bransby Cooper advocates a different practice, and says, "that nothing would induce him to use the trephine, whatever may be the extent of the injury to the skull, unless symptoms of compression, which had resisted the administration of strict antiphlogistic remedies, were

Case. G. T., aged 14 years, a carter boy, was at plough on September 25th, 1854, when the horses, taking fright, knocked him down, and one of them trod on his head. The ploughshare was tilted in just sufficient time to enable it to pass over him, without inflicting any more serious injury than that of nearly cutting off his right ear, which merely hung by the fold of skin which connects the external ear with the back of the head. I was sent for to him as he lay in the open field; his head and face were covered with blood; and I found, in addition to the injury just described to his ear, that he had received a large wound over and to the outer side of the right eye. The boy was quite conscious, and able to get up and help himself into a cart, which, in the mean time, had been prepared to carry him home. I did not examine the wound minutely at the time; but as he would be obliged to pass my residence on his way home, I directed that they should stop and have his head properly examined and dressed. This was done, and

a great deal of coagulated blood being washed away from the wound, I discovered that an extensive fracture existed, which corresponded to the wound in the skin, above and to the outer side of the right eye and extending upwards towards and involving the temporal ridge of the os frontis (a few fibres of the right temporal muscle being lacerated and torn from their origin), and downwards towards the external angular process. There was considerable depression, but no loose fragments. The lad was still quite conscious, and the only symptom of compression was, that there existed a greater degree of dilatation of the pupil of the eye of the same side, and its not contracting so readily by the approximation of a lighted candle. I now had him conveyed home, and promised to follow him, when I should make up my mind as to the course of treatment I should pursue. He had just arrived at home when he had, I was informed, a convulsion; and a messenger was dispatched to hasten my arrival. I lost no time, but found him recovered, quite conscious; the pupils of both eyes much dilated; a strong tendency to sleep; somewhat heavy breathing; with a pulse 98 per minute. I had given him a dose of aperient mixture before he left the surgery. Under these circumstances, I thought the skull had better be trephined at once; and having sent for and requested the assistance of my friend, Dr. Foster of Hartly Row (for whose kind assistance and able judgment I feel much indebted), the operation was performed four hours after the accident had occurred.

The front of the scalp was shaved, and the original wound having been a little enlarged, I applied the trephine to the upper part of the fracture, in such a manner as to take out about three quarters of a circle of uninjured bone; this done, I was enabled to introduce the elevator under one fragment, which I removed entirely. The lower fragment I elevated into its place. Dr. Foster concurring with me as to the importance, if possible, of obtaining "union by the first intention", and the wound being now a very large one, and "gaping" considerably, I applied two sutures, a few strips of adhesive plaster, and a bandage. The head was kept elevated; and the aperient given in the morning not having acted, a dose of calomel and jalap was given. Pulse 90.

The same day, 8 p.m. The bowels had acted three or four times; the pupils were less contracted; and contracted still more on the application of light; but the right not so perfectly as the left. There was no headache; the skin was hot and dry; the pulse was 98, and strong. I bled him freely, and ordered him a grain of calomel every four hours.

September 27th. He was slightly under the influence of mercury.

September 30th. Some portions of the wound had begun to unite, but others did not show much disposition to do so; and on pressure being made around, matter issued freely. I did not feel very sanguine about "union by the first intention". Water dressing was substituted, and from that time the healing process progressed very favourably.

About the middle of October, the granulation assumed a very "fungoid" appearance, which led me to prognosticate the exfoliation of some portion of the bone which was elevated; and in this I was confirmed about a fortnight afterwards, by a few pieces of bone protruding from the wound, which were removed by the forceps. By this time the wound is all but healed.

Remarks. The paramount importance of the injury to the skull has seemed to throw the history of the injury to the ear into the shade. As I said before, it was very nearly severed from the head. I had reinstated it, however, in its former position when the boy was at the surgery, and kept it there by a suture, and fold or two of flannel, to maintain its temperature. The lobe, however, sloughed off. The meatus auditorius was nearly obliterated, but was recovered partially. The organ, at all events, answers its purpose now very well.

Odiham, Hants, Dec. 11th, 1854.