

on this point,\* the results are given of the examination of 87 hemispheres (from 44 criminals), of which only 42 presented the normal type of frontal convolutions, and 27 showed four gyri. In these the additional gyrus resulted in 8 from the splitting of the superior; in 16 from the division of the middle convolution. In 13 there was an imperfect division into four gyri. In two hemispheres there were five frontal convolutions.

Through the courtesy of Dr. Desmarteau, Jail Surgeon, I was present at the autopsy, and secured the brain of the man Hayvern who was executed for the murder of a fellow-convict; and the Department of Justice permitted me to secure the brain of Moreau, who was executed at Rimouski.

I.—Hayvern, aged 28, was a medium-sized man, of no trade; Irish descent; parents living, and respectable; no insanity, inebriety or neurotic disease in the family. He had been a hard drinker, and as a child was stated to have had fits. There is no evidence of the recurrence of these in adult life. He was serving a term in the Penitentiary, having been sentenced for highway robbery in 1879. He had previously been in jail more than twenty times, and may be taken as a good representative of the criminal class. The details of the murder show deliberation, and there was no evidence to show that the act was performed during a paroxysm of epileptic mania.

The skull was somewhat ovoid in shape, dolicho-cephalic; the forehead rather low and retreating. The calvaria was of moderate thickness; no signs of injury, old or recent.

*Brain, last organ examined. Pl. I.*—Vessels were empty; drained of blood by the opening of the vessels of the neck, both in front and behind. Membranes were normal. Weight of organ, 1326 grammes (46½ ozs.) Cerebellum completely covered by cerebrum. I obtained the left hemisphere for special study, and the details of its structure are as follows:—

Antero-posterior diameter.....	16.5	cm.
Hemispheric arch.....	24.8	"
Anterior curve (tip of Fr. lobe to Fis. Rol.).....	14	"
Middle curve (from Fis. Rol. to Par.-occip. Fis.).....	6.2	"
Posterior curve (from Par.-oc. to tip of Occip. lobe) ..	4.8	"

\* *Centralb. f.d. med. Wissenschaft.*, No. 46, 1880.