

(1) The complete separation of the left greater wing of the sphenoid as described in (j).

(2) The fracture through the body of the sphenoid (vertical-transverse) described in (g).

(3) Fracture (g).

(4) Fracture (f).

(5) Fracture (n) passing through the right occipital condyle.

*The Facial Fragments.*

The right malar bone : This is separated at the sutures from the external angular process of the frontal bone, and from the zygomatic process of the temporal bone. The anterior part of the right zygoma, three-fourths of an inch long, is missing. The malar process of the superior maxilla is fractured through, the superior maxilla maintains its connection with the malar at the suture ; therefore, a piece of bone is completely broken off comprised of the malar plus the malar process of the superior maxillary bone.

About one-quarter of an inch of the right internal angular process of the frontal bone is completely broken off, and is missing.

The superior maxilla :

(1) A fracture from the right malar at the point indicated above.

(2) The right nasal process is broken off at its base, the line of fracture extending down through the margin of the orbit, through the infraorbital foramen, and inwards from that point to the nasal fossa in a horizontal direction.

The detached piece carries the maxillary portion of the lachrymal canal and portion of the inner wall of the antrum.

(3) The left nasal process is broken off by a very similar fracture. The line through the orbital ridge, however, is slightly internal to the infraorbital canal.

(4) The left malar has been separated at the line of suture of the superior maxilla with the malar.

(5) A fracture directly through the alveolus in the middle line in front, completely separating the bone through its entire thickness into the nasal fossa. This fracture is exactly in the middle line between the central incisors.

(6) A fracture through the palate process from the anterior palatine canal (continuance of fracture 5), passing backwards and to the right for about one inch.

(7) A portion of the palate process of the superior maxilla and the horizontal process of the palate bone is entirely knocked out immediately internal to the alveolar process of the right side posteriorly.

There are no further fractures of the palate process.

(8) The pterygoid processes of the sphenoid and the palate bone are completely separated on the right side from the superior maxilla, the separation taking place at the line of suture. The two superior maxillary bones and the palate bones remain intact along the line of suture in the hard palate.

(9) The lower parts of the pterygoid processes remain in contact with the superior maxilla and the palate on the left side. The only portion of the left palate bone which remains connected with the superior maxilla are the horizontal plate and three-eighths of an inch of the vertical plate.

(10) The inner, superior, posterior, and the greater part of the outer walls