SUPPLEMENT TO THE WEEKLY MAIL

CHART OF THE AGE OF THE DOMESTIC ANIMALS By A. LIAUTARD, M.D., V.S., (American Veterinary College) AGE OF THE HORSE The best way to tell the age of animals is by the teeth. This Fig. 4 is a transverse section showing : a, the cul-de-sac of the knowledge, though put in practice for many years, was, however, never brought to almost perfection until Pessina and Girard, Jr., had made known all the characters, almost positive, by which the age of horses could be deto teo. If r 8 years. surrounded by d, the surrounding enamel. Fig. 5 points out the different shapes of the tooth in different parts present us those their wear, and more nd ur P of life of the animal. Lower incisives are divised into :- Nippers, A, (Fig. 1) ; Dividers, Fig. 6 is a milk or caduct tooth, and Fig. 7 represents the canine B; Corners, C. Each one has a free part, or crown, and a portion contained in the rudimentary. alveolar cavity, the root. FIRST PERIOD .- Colts generally are born without teeth, but they The crown has an anterior A, (Fig. 2), and a posterior face B, an make their appearance in from twenty-four hours to a few days. The internal C, an external D, an anterior E, and a posterior F, surrounding nippers then come out by their anterior border, and at one month (Fig. 8) at the superior extremity a cavity-the external dental cavity-which by the posterior border is on a level. About the same time the dividers the wearing of the borders becomes smaller, until, when almost disapbegin to show themselves, and for some time the colt remains with eight peared, the tooth is said to be worn. teeth only (Fig. 9). The corners vary in their growth between the sixth Fig. 3 shows a longitudinal section of tooth, exhibiting the strucand tenth months (Fig. 10). From ten months to a year the caduct Fig. 2 Fig. 1 Fig. 8 Fig. 4 Fig. 7 ture ; aa', enamel ; bb', dentine or ivory entirely surrounded by the nippers are worn ; at eighteen months the caduct corners are worn ; at enamel; c, dental pulp contained in the internal dental cavity two years a full mouth of worn milk teeth is found.





81 to 41

13

14

15

16

17

18

11

12

18













	Map		
YEARS	Figure	NIPPERS	
21 to 81	11	Appearance and growth on nippers.	
81 to 41	12	Nippers of second dentition.	





NIPPERS DIVIDERS		CORNERS	OBSERVATIONS
Appearance and growth of Caduct nippers.	Milk teeth worn.	Milk teeth worn.	
Nippers of second dentition.	Appearance and growth of permanent dividers.	Milk teeth worn loose, more or less, and ready to make room for cor- ners of second dentition.	
Worn more or less completely.	On a level with nippers. Posterior bor- der on a line with anterior.	Lower than dividers. Notch on pos- terior border, which is lower than anterior.	Then the corners are fresh and well grown out. Dental arch forms a negular semicircle.
Worn. External cul de-sac slightly concave in its middle.	Worn. (†)	On a level with dividers. Anterior bor- der worn down.	
Central enamel triangular.	Worn. External cul-de-sac slightly concave in its middle.	Posterior border on a level with ante- rior. Begins to be worn.	Notch in superior corners of many horses.
Oval. Central enamel narrow, and near posterior border.	Oval. (†) Central enamel triangular.	Worn. Central enamel concave in its middle.	
Rounded. Central enamel round and very near the posterior border.	Oval. Central enamel round, and near posterior border.	Oval. Central enamel triangular.	
Rounded. (†) Central enamel round, and still neareP posterior border.	Rounded. (†) Central enamel as in nip- pers.	Oval. Central enamel as in others.	Appearance of internal cul-de-sac as
Rounded. Central enamel has disappeared more or less.	Rounded. Central enamel as in others.	Rounded. (†) Central enamel as in others.	a small yellow or grayish band, transverse and situated between central enamel and anterior border
Rounded. Central enamel almost gone.	Rounded. Central enamel has disappeared.	Rounded. Central enamel has disappeared.	of tooth.
Rounded.	Rounded.	Rounded.	Central enamel of superior corner has disappeared.
Triana las (1)	n 11		

of the Second and Third Periods

external dental cavity surrounded by b, central enamel, with c, the dental star-first shade of the internal dental cavity ; the whole being

of its length. First, flattened from forward backwards; then oval; then rounded triangula, and that, or flattened from side to side. These will be most essential a commining the age in the third period

or tusks; which are missing in mares, or, if they exist, are only

