water seas, their shores barely producing Arctio willows and sages.
At present the warm strata of air are found high up the mountaina melting the few, short glaciers away nearly to their founts. When an increase occurn that shall melt them and the Mers de Glace all away, and there remains no more perpetual snow and ioe to keep springe and rivers alive in summer; the parched plains being mantled by a torrid nubstratum of moistureleni air, the poor inhabitants of earth, if living by the name moans as we exint now, may sigh for the retarn of the almost unknown and totally unappreciated boon-a condition of climate that admits of glaciors.

## THE BIRD OF AMRRIOA.

The White-headed, but incorrectly calleid Bald Eagie, is well known to bvery one as the emblem of the United States. Many, however have false ideas of its real appearance and habits, obtained chiefly from unnatural figuren and fictitions atories, so we have reproduced here the excellent fllustration from life made for the "Ornithology of California," publiahed by the Legislature in 1870, giving also a short account of iti natural history from the mont authentic aources.

The colors of old birdin of both sexes are dark chocolate, or blackish brown, the feathers paler at edges, the head and tail pure white, bill and feet yellow. Leagth, 30 to 43 inches ; extent of wings, 78 to 88 incher ; wing, 20 to 26 inches; tail, 11 to 151 inches; the female being considerably the largest (as in all birds of prey), and Pacific coast birds are larger than eastern or nouthern. The young in the firat year is nearly uniform black, the feathers afterward growing out paler, and white near their base, every year becoming more white on head and tail, until the fourth year when theac parts become entiroly white. This change with age has led many to muppose that there were several kinds, espeoially as young birds often show white patehes on the body.

Such a showy and noble-looking bird of courne attracted the attention of the firnt Bn ropean vinitors to Ameries, north of Mexico, where it is not known to exist. In white head distinguished it from the vory similar whitetailed eagle of Europe and Greenland, leading the celebrated Limneus to adopt for ita ncientific name the Greek word for White-headed, which, combined with the gonerie title of the Fiuhing Eagles, makes that used by naturalinta in all enlightened countrios since 1760, namely, Haliotus leccocephalus.
About 1776 Congress soopted it as the emblem for our coins, and other national devioes, againat the advioe of that practical philonopher,
Franklin, who thought that a bird which lived Franklin, who thought that a bird which lived in great part by robbing the induatrious fiahhawk and killing defencelens lambe was unworthy of such an honor, sdvising that the honest and useful turkey should be adopted in its place, being aloo an Amorican biri. This would have been, perhape, as appropriate an the barnyard fowl of France, but the adminers of the Roman emblem, and the diguilied aspect of the eagle, prevailed -though it has been recently supposed that the bird on coins may represent something quite differant, Almost any, thing between vulture and owl in lant, perhap ivarying with the baseness or intrinsic value of the metal.
This bird inhabita the whole of North Ameries, exeept Mexico and sonthward, where other kinds oceur. It leaven only the extreme northern shores in winter, remaining wherever it can obtain fish from unfrozen whiters, or amall animals and binls near the forests. It is, however, a lazy bird, never diving for finh or purn-
ne, game when it ean find them dead or disng game when it can find them deed of disabled, and therefore watching the fish-hawk and the hunters to share what is eas capture
with their aid, Ite flight in heavy and alow compared with nome birds of prey, which to some extent oxouses it for "sponging" on others; but it has been acen at times to fly with groat swiftness, oapturing the flying fiah in ita ghort coune over the waves, and certainly in switter thau the laborious fish-hawk. At timen it is foreed to dive for fish, ciroling round high in the airnatil it nees one nosr the aurlane, and then planging like a ballet headlong to the water, though it does not go benoath it, but weizes the fiah in ita long, sharp clawa. It also pieks ap dead onses and injured birds in the same way, while at timen it varies its fare by hunting ground squirrels, ote., watching for them from the air or a tree.
The California Indinns, and, to mone degree, the Spanish population, held this bind asored, and formerly it was a numerous species, allowed to live around the ranchou an a uneful tenant, on acoount of killing many aquirrols, though it might occasionally eapture a woak lamb or pig. Instances have been published of infanta being carried off by thir eagle, but lems often than by the fiercer and atronger golden eaglo. Nowadays, as every sehoolboy is allowed to carry a gun and

Diskask or Cumanvut Thase-The Comptee Remilue of the French Agmdemy of Solence oontains an intervating note by M. Planchon on the aubjeet of the disease at present prevailing among the choatants of the Cevenanes, sat which is probably identioal with that notiond in the Basies-Pyrenees and in upper Italy. The chiol symptom vieible outwardly is the deeay of the extremitios of the brasiches, sometimes one after another, ath sometimes all at onee in which latter cases the tree quiokly dies, though in others it may lint in a more or leas divensed state for two or three years. This grinal or zudden death of the branches, M. Planohon found to be consequent on an alteration of the roots. If theno be laid bare-parta of the wood and bark of the larger and middle-ained onee are seen to be softened as if by a kind of gangrone, and a fluid oxudes from their tisemes whioh, owing to ita containing tannin, forms as ink with the iron in the soil, and stains the earth round about for a conaiderable distance The roots thas affeeted from the smalleat radiolee to the largeat tranke, are characterized by the constant pronence of a myoelium or fungua which asaumen varioun forms, but which always


## THE WHITE HEADED OR AMEHICAN EAGLE.

hoot what he can, there is no danger of englee becoming too plenty.
The nents of this eagle were formerly very common here, built often in some tall aycamore and large enough to fill a two-horse wagon, being composed of large aticks, three or four foet long, piled togethar year after year, until the masio was five feet thick, having alittle cavity at the top lined with a fow clods of turl, mose, otc. In this are laid two to four egge acarly equally rounded at both ends, whitith, rough, and froin two and one-half' to three rough, and roin two and laid from January to April, acoording to elimate, the bird neeting from latitude $3^{2}$ to latitude 68',

Near the ses coast, where trees are abeent, the nett is often bailt on a oliff, bat pine trees are the usual kind selected northward.
The title of tishing eagles gives to this (and eight or sine other foreign kimis), merely shows itis favorite food, and, indeed, is is rarely met with many niles from water, uanally bailding ita nest near its fishing reeorts. In captivity it is dall and ailent, exoept whea hungry, then sereaming and rufling ita feathers at sight of food in the moat fieroe mannor. Young birla have often been raised from the sent, but are always dangerous pets, requiring a asgeor chais, though they were formerly kopt hall-tamed ahout the rasehes, going off to hutit is the morning and roturning at night,
appears aubeequently on the truak of the troe appeers subegusently on the truak of the troe
in the same form that it wis present on the underground portion of it. It ieseerelly pre: sente itself in the form of inore or lese ramified whitinh-yellow atrings, and is prolebly elanely allied to the Agaricus mellews, which plays sneh havoe with fir irees

How to Smoks a Pirn-A eorrospendent of the Now York Sun givee the subjoined information: To thoee who are atteched to the pipe, it may be a matter of fatereat to know how their lest puif or draft of amoke may be ma fresh as the tirn.. It is well known that numping is the neual masuner the lant portion of the teltacee beounes damp by prapnee of of of sieptine drawa from the hested tobeege above, which easoen a sickening and namaeatiag effeel, Ditter to the taste, unpleasat and salralithy, se coin. pared to the first half of a well-Ailed pipe. The Collowing I have found to be effectual ia giviag me a goonl, fresh amike from firut to lath Mlaem a emall quantity of tohseco is the holtome of the bowl, light it, and when woll allins, fill the pipe and befure eseh drath give a light pelf oulvad through the atem, which eauses the tolisese to bura upward, all below being eoneumed. Thio is a sennible way of amoling the time-luenored Pepe, A still botter way would benette smoke stall.

