is published in our columns of Dec. 17, 1891, and an outline is given showing its curious form. As for the colors of the opah, words can only feebly express their splendor. It would be difficult to find a fish on the California coast which has greater interest to students and to museum collectors. collectors.

THE NEW YORK GAME BILL.

THE Gould bill was reported in the New York Assembly last Thursday. From an advance printed copy the following summary of its more important provisions is given. is given:
FISH COMMUSSIONERS-GAME PROTECTORS

the following summary of its more important provisions is given:

FISH COMMISSIONERS—The GOVETHOR SHI appoint five commissioners of fisheries to serve one, two, three, four and five years respectively, subsequent terms to be for five years. (Requirement that one commissioner must be appointed from each judical district stricken out.) The chief office shall be in Alban,, but there may be a branch office in New York city.

GAME PROTECTORS.—The Commissioners of Fisheries shall appoint twenty game protectors, who shall be subject to the control of the Commission and may be summarily removed by it. The chief protector's office shall be at Albany. Salary of chief \$2,000 her year, with \$450 allowed for traveling expenses. Salary of others, \$500, with \$450 allowed for traveling expenses. One-half of penalties collected shall go to protectors.

On recommendation of supervisors or any incorporated society for protection of fish and game the Commissioners may appoint special protectors, who shall have the same powers as the State protectors. It is the duty of every protector to soize and summarily destroy forbidden nets and filegal fishing devices, which are delared to be a public nusance. The expense of such seizures shall be a charge against the county.

DEER.—Deer shall not be hunted or killed between Nov. I and Any. I5. Venison shall not be sold or possessed between Nov. Is and Any. I5. Venison shall not be sold or possessed between Nov. Is and Any. I5. No fawns shall be ackned a violation, unless it shall be proved by possessor or seller that such venison was killed legally or out of the State. No fawns shall be deemed a violation, unless it shall be proved by possessor or seller that such venison was killed legally or out of the State. No fawns shall be killed at any time. (Prohibition of killing does has been taken out.) Traps and devices, including salt-licks, forbidden, and deer shall not be caught, bunted or killed by aid thereof. One person may take only two deer in a season. Sec. 44. "Deer shall not be fore th

f venison. HARES AND RABBITS shall not be killed between Jan. 1 and ept. 1; nor shall they be caught in traps, nor traps set for Sept. 1; nor shall they be caught in them.

BLACK AND GRAY SQUIRRELS shall not be killed between Jan. 1

and Sant. 1.

BLACK AND GRAY SQUIRRELS shall not be killed between Jan. 1 and Sept. 1. SUNDAY.—Shooting, hunting, trapping and caging birds or wild beasts on Sunday is forbidden.

PENALTIES for violation of deer law, fine of \$100; other sections \$25.

3). BOUNTIES are provided of \$10 for a bear, \$30 for grown wolf, \$15 or pup wolf, \$20 for a panther. (No bounty for a fox.)

or pup woif, \$20 for a panther. (No bounty tor a fox.)

GAME BIRDS.

Whidprowl.—Web-footed wildfowl, except geese and brant, shall not be pursued, shot at, hunted, killed, possessed or sold between March I and Sept. 1: nor pursued between sunset and sunrise. Shall not be hunted, save with shoulder-gun, nor from any boat other lone propelled by hand, nor hoating device, nor by use of bough-house more than 50th from shore.

Quart shall not be killed between Jan. 1 and Nov. 1; nor sold or possessed between Feb. 1 and Nov. 1; possession between Jan. 1 and Feb. 1 forbidden unless possessor shall prove the lawful killing.

poseessed between Feb. 1 and Nov. 1; possession between Jan. 1 and Feb. 1 forhidden unless possessor shall prove the lawful killing.

WOODCOCK AND GROUSE—"Woodcock, ruffed grouse, commonly known as partridge, or any member of the grouse family shall not be killed between Jan. 1 and Sept. 1. Possession and sale forbidden between Feb. 1 and Sept. 1; possessor between Jan. 1 and Feb. 1 must prove lawful killing. Transportation from any county is forbidden, except from county where killed when necompanied by owner. Possession by common carrier for transportation shall be a violation unless birds shall be proved to have been killed out of the State.

PLOVER AND SNIPE—Wilson's [bill reads "Willow's] commonly known as English snipe, plover, mud hen, gallinule, grebe, bitter, surf bird, ctulew, water chicken, bay soipe or shore birds shall not be killed between Jan. 1 and Sept. 1.

OTHER WILD BIRDS, not named in this chapter, shall not be killed at any time; nor their nests destroyed, but this shall not include the English sparrow, crane, crow, raven, crow-blackhird nor kingfisher.

ROBINS, BLACKBIRDS AND MEADOW LARKS shall not be killed between Jan. 1 and Sept. 1.

SYARING OR TRAPPING grouse and quail is forbidden; no snare or trap shall be set; the a public nuisance and may be summarily destroyed.

PENALIZES for violations of any of these provisions is a fine of \$25 for each bird killed, trapped or possessed.

COLLECTORS may obtain certificates from an incorporated society of natural history or from the Regents to collect bird specimens for scientific purposes.

locked salmon, caught in any of the waters of the State shall not be transported from any county except when accompanied by the

veer. BLACK BASS OR OSWEGO BASS shall not be taken between Jan, and May 30. No black bass of less than 8in. in length shall be

taken.

MUSCALLONGE shall not be taken between Jan. 1 and May 30.

SALMON shall not be taken between Jan. 15 and March 1; nor shall any salmon be retained of less than 18m. in length.

SIZE OF MESHES.—The use of seines, pound-nets, gill-nets or tykes, the meshes of which shall be less than 1½ in. bar, is 10rhidden.

tykes, the meshes of which shall be less than 1½ in. bar, is torbidden.

SALMON TROUT, or lake frout may be sold at any time, if not taken in close season; possession between Oct, I and May I is forbidden unless possessor proves lawful capture.

FISHWAYS.—Signboards erected by the State shall be mainstained at 50 rods from a fishway, and fishing within that limit is forbidden.

FISH PROPAGATION by the commissioners and the operation of private hatcherles are not affected by any foregoing provisions.

PENALTIES.—The penalty for polluting waters, taxing fish by drawing off waters, or use of dynamite, is a fine of \$100; for taking trout or based unlawful size \$10 for each violation; for violations of other provisions, \$25 for each violation and \$10 for each fish.

ADIRONACK FISH PLANTING.—No fish except trout, Adirondack trostfish or landlocked salmon, shall be placed in Adirondack waters (unless the fish are non-preying or non-destructive, such as usually contribute food for the species named) except under immediate supervision of the Fish Commissioners.

LOCAL FISH PROVISIONS.

LOCAL FISH PROVISIONS.

under immediate supervision of the Fish Commissioners.

LOCAL FISH PROVISIONS.

No ish shall be taken except by angling in the St. Lawrence and Niagara rivers and lake Champlain, nor in Lake Eric within one-half mile of the shores of any islands, except that in the county of Oswego they may be taken one-half mile from shore. ("The waters of Lake Ontario in the county of Jefferson includes between Pillar Point, in the town of Prownville, and the town line between the towns of Lyme and Cape Vincent, including Chaumont Bay, Griffiu Bay and Tbree Mile Bay, are hereby exempt from the provisions of this act," except that bass may not be taken between Jan. I and May 30, nor of less length than 8in. Possession of fish ualawfully taken is forhidden.

Fishing through the ice is permitted in Lakes Ontario. Eric and Otsego; Rondout Creek below Honk Falls; the Hndson and Niagara rivers.

In Lakes Eric and Ontario the meshes of nets shall not be less than 2in. bar.

Taking fish by any means other than angling is forbidden in Rondout Creek and in the Hudson River above the dam at Troy, save as follows. Shad and herring shall not be taken from Rondout Creek or Hudson or Delaware rivers between June 15 and March 15; nor shall shad nets be permitted to remain in said waters from sunseton Saturday until sunrise on Monday; between March 14 and June 15 shad and herring may be taken by nets; and between Sept. 1 and May 30 bullheads, catish, snnfish, suckers, eels, plekenel, sturgeon, white and yellow perch may be caught by hoop-nets, fykes and gill-nets in the Hudson River and Rondout Creek below Honk Falls.

In Raritan Bay and adjacent waters in Richmond county no device except angling shall be used for taking ish. In the Harlem River or East River or adjacent waters in Richmond county no device except angling shall be used for taking ish. In the Harlem River or East River or adjacent waters nets shall no te used.

'In Black Lake, Mud Lake and Yellow Lake in St. Lawrence county, bullheads, cathsh, eels, suckers, berch, pickerel and

ateles and sunfish may be caught by hook and line through the ice.

In Oneida River eel weirs may be maintained of lath not less than 1/2 in. apart, with clear passage way, at low water, of not less than 1/2 in. apart, with clear passage way, at low water, of not less than 10tt.

Black bass shall not be fished for in Lake George between Jan. 1 and May 5.

Minnows for bait may be taken in any waters not inhabited by tront by nets not exceeding 40ft. in length.

In Coney Island Creek and waters of Gravesend Bay, one-half mile each way, the meshes of nets shall be not less than 4in, square (except hoop-nets for flounders between 0ot. 14 and April 1.

In Spring Brook, in Monroe and Livingston counties, trout shall not be taken between April and April 1.

In the Susquehanna River and tributaries wall-eyed pike, vellow bass and pike shall not be taken between Nov. 1 and May 30.

In the waters of Queens and Suffolk counties (Long Island) trout shall not be taken, sold or possessed between Oct. 1 and April 1; salmon tront and landlocked salmon between Oct. 1 and April 1; slack bass between Jan. 1 and May 30; in Jamaica Bay and the interceof fish shall not be taken by any means except angling, which shall be lawful on any day of the year between April 1 and Dec. 1.

For full text of important sections see next issue.

For full text of important sections see next issue.

MASSACHUSETTS FISHERIES AND GAME.

Economic Market State.

Hower for the State.

Hower for the State without for the most and the gailman combitation, and the state of th

setts the season opens July 1, while in Maine the bass is without protection and there is an unreasonable prejudice against the fish, which is by no means shared by summer visitors to the State who are attracted there by the bass fishing. In Connecticut, also, there is a crusade against the black bass, and the farmers are debating how to get rid of this fish in small ponds and lakes. One of the objections to it in this State is that it destroys the pickerel, and only one application for black bass was received by the Connecticut Commission in 1891.

MINNESOTA GAME AND FISH.

MINNESOTA GAME AND FISH.

Dy courtesy of Mr. W. F. Dealing, of Minneapolis, we print, in advance of its official publication, the full report of the Minnesota Game and Fish Commission. The Minnesota Commission of Fisheries (William Bird, of Fairmont; Niles Carpenter, of Rushford; and Robert Ormsby Sweeney, Sr., of Duluth) was organized in 1874; and was superseded and re-organized May 5, 1891, by the Game and Fish Commission of Minnesota as now constituted: Pres., Robt. Ormsby Sweeney, Sr., Duluth; Vice-Pres., W. S. Timberlake, St. Paul; Treas, W. P. Andrus, Minneapolis; Rec. Sec., A. F. Ferris, Brainard; Wm. Bird, Fairmont. The report is as follows:

Pres., Robt. Ornsby Sweeney, Sr., Duluth; Vice-Pres., W.
S. Timberlake, St. Paul; Treas., W.P. Andrus, Minneapolis;
Rec. Sec., A. F. Ferris, Brainard; Wm. Bind, Fairmont. The
report is as follows:

Hon. Wm. R. Merriam, Governor of Minnesota:

Herewith I have the honor to lay before Your Excellency
the eighteenth annual report of the Fish Commissioners'
operations—but perhaps more properly the first report of the
Game and Fish Commissioners of Minnesota, which also includes the work of the last months of the older State Fish
Commission, as organized originally in 1874, and which by
act of last Legislature merges into the present organization,
with its broader scope and complete gnardianship of all appertaining to the game and fish within the broad domain
and jurisdiction of Minnesota.

In compliance with the law creating it, the new board met
May 5 at the Capitol building, and the organization was
completed by the election of officers and appointing warden
and superintendent. Mr. Frank L. Stetson, of Minneapolis,
was appointed State Game Warden and Mr. Thos. S. Watkins Superintendent of Fisheries. These gentlemen were
selected for their respective positions from a large number
of candidates and for their fitness alone.

The first duty of the new board was to acquaint themselves with the condition of the property, apparatus and
equipment in their possession. For this purpose the entire
board visited the hatcheries and grounds at Willow Creek
and found them internally serviceable, but externally
greatly in need of repair. The reason given was that the old
board did not care to go to great expense on repairs until
the lease of the grounds, which was about to expire, could
be renewed, and second, financial stringency, having only
funds enough for the proper propagation and distribution of
the fish in territory already planted, and nothing for new
territory. For these reasons the walks, fences, grounds,
etc., showed the need of repairs and closer attention.

The board have secured a new lease of the years of

who are implations, reckless disregard of law, and defiant and threatening attitude assumed against the wardens or any one interfering with their indiscriminate slaughter of both fish and game.

WHO ARE THE VIOLATORS?

First, a class of "fellows," young and old, who, armed with a cheap gun, and a desire to be classed as a sportsman, go out at unlawful seasons and wantonly slaughter the young birds before they have left the hen. This class are very cowardly and a round fine will generally put a quietus on their "hunting," especially in that particular locality.

Serond, are those who associate with, and presumably are, gentlemen, and offer the very tame excuse that the other class spoken of are securing the best of the game, and a few birds or deer canuot make much difference. This class being more intelligent are more wary and consequently harder to control, but, fortunately, fear arrest, so that violations from this class are becoming less frequent.

The greatest injury and devastation to the game and fish in our commonwealth are perpetuated by the professional hunters and fishermen, who are simply organized banditti sent out by the game and fish dealers, not only of our own State, but agents of dealers in other States, the use of every forbidden and evil device known to the craft to secure the game in quantities, regardless of the age, size and condition. They operate in gangs of from three upward, have complete camping outfits, tents, nets, guns, etc. They are thoroughly posted as to the best places to carry on their nefarious work, and there they stop until every living thing in the game line is practically exhausted, or until they are routed out by the wardens, or, as rarely occurs, by indignant citizens. I say rarely advisedly, for we are told by citizens, every little while, of violations, notably at White Bear and Bald Eagle lakes, and that it "has been going on for years;" you suggest a prosecution and they simply refuse to testify "for fear of bodily harm and damage to property."

Many of these violat