THE life of the birds, especially of our mi- the babies weathered the critical period, and that every spring a large number of those which third trial. have survived the Southern campaign return to their old haunts to breed. A Connecticut farmer took me out under his porch one April day and showed me a phoebe bird's nest six room for only one nest upon her favorite shelf, she had each season reared a new superstructare not greatly in favor of the nest being rifled night, and doubtless by the little red screechminks, and coons at night, and by crows, orchards, living in the deeper cavities of the cradled and pillowed in peril. An old Michi- and draw them forth. The tragedy of one of gan settler told me that the first six children the nests was heightened, or at least made that were born to him died; malaria and teethmore palpable, by one of the half-fledged ing invariably carried them off when they had birds, either in its attempt to escape or while born, the country improved, and by and by and entangled in one of the horse-hairs by

gratory song-birds, is a series of adventures the next six lived and grew up. The birds, and of hair-breadth escapes by flood and too, would no doubt persevere six times and field. Very few of them probably die a natural twice six times, if the season were long enough, death or even live out half their appointed and finally rear their family, but the waning days. The home instinct is strong in birds as summer cuts them short, and but few species it is in most creatures; and I am convinced have the heart and strength to make even the

My neighborhood on the Hudson is perhaps exceptionally unfavorable as a breeding haunt for birds, owing to the abundance of fishcrows and of red squirrels; and the past seastories high. The same bird had no doubt son seems to have been a black-letter one, returned year after year; and, as there was even for this place, for at least nine nests out of every ten that I observed during the spring and summer of 1881 failed of their ure upon the old as a foundation. I have heard proper issue. From the first nest I noted, of a white robin—an albino—that nested which was that of a bluebird,—built (very several years in succession in the suburbs of a imprudently I thought at the time) in a squir-Maryland city. A sparrow with a very marked rel hole in a decayed apple-tree, about the last peculiarity of song I have heard several sea- of April, and which came to naught, even the sons in my own locality. But the birds do mother-bird, I suspect, perishing by a violent not all live to return to their old haunts: the death, - to the last, which was that of a snowbobolinks and starlings run a gauntlet of fire bird, observed in August, deftly concealed from the Hudson to the Savannah, and the in a mossy bank by the side of a road that robins and meadow-larks and other song-birds skirted a wood, where the tall thimble blackare shot by boys and pot-hunters in great berries grew in abundance, and from which numbers, to say nothing of their danger from the last young one was taken when it was hawks and owls. But, of those that do return, about half grown by some nocturnal walker what perils beset their nests, even in the most or daylight prowler,-some untoward fate favored localities! The cabins of the early seemed hovering about them. It was a seasettlers, when the country was swarming son of calamities, of violent deaths, of pillage with hostile Indians, were not surrounded by and massacre, among our feathered neighbors. such dangers. The tender households of the For the first time, I noticed that the orioles birds are not only exposed to hostile Indians were not safe in their strong pendent nests. in the shape of cats and collectors, but to Three broods were started in the apple-trees, numerous murderous and blood-thirsty ani- only a few yards from the house, where, for mals, against whom they have no defense but several previous seasons, the birds had nested concealment. They lead the darkest kind of without molestation; but this time the young pioneer life, even in our gardens and orchards were all destroyed when about half grown. and under the walls of our houses. Not a day Their chirping and chattering, which was so or a night passes, from the time the eggs are noticeable one day, suddenly ceased the laid till the young are flown, when the chances next. The nests were probably plundered at and its contents devoured, - by owls, skunks, owl, which I know is a denizen of these old jays, squirrels, weasels, snakes, and rats durtrees. The owl could alight upon the top of ing the day. Infancy, we say, is hedged about the nest, and easily thrust his murderous claw by many perils; but the infancy of birds is down into its long pocket and seize the young reached a certain age; but other children were in the clutches of the enemy, being caught

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limb above. There it hung bruised and dead, gibbeted to its own cradle. This nest was the theater of another little tragedy later in the season. Some time in August a bluebird, indulging its propensity to peep and pry into holes and crevices, alighted upon it and probably inspected the interior; but by some unlucky move it got its wing entangled in this same fatal horse-hair. Its efforts to free itself appeared only to result in its being more securely and hopelessly bound; and there it perby the summer heats, was yet hanging in September, the outspread wings and plumage showing nearly as bright as in life.

Before the advent of civilization in this country, the oriole probably built a much deeper nest than it usually does at present. When now it builds in remote trees and along the borders of the woods, its nest, I have noticed, is long and gourd-shaped; but in orchards and near dwellings it is only a deep cup or pouch. It shortens it up in proportion as the danger lessens. Probably a succession of disastrous years, like the present one, would cause it to lengthen it again beyond the reach

of owl's talons or jay-bird's beak.

The first song-sparrow's nest I observed the past season was in a field under a fragment of a board, the board being raised from the ground a couple of inches by two poles. It had its full complement of eggs, and probably sent forth a brood of young birds, though as to this I cannot speak positively, as I neglected to observe it further. It was well sheltered and concealed, and was not easily come at by any of its natural enemies, save snakes and weasels. But concealment often avails little. In May, a song-sparrow, that had evidently met with disaster earlier in the season, built its nest in a thick mass of woodbine against the side of my house, about fifteen feet from the ground. Perhaps it took the hint from its cousin, the English sparrow. The nest was admirably placed, protected from the storms by the overhanging eaves and from all eyes by the thick screen of leaves. Only by patiently watching the suspicious bird, as she lingered near with food in her beak, did I discover its whereabouts. That brood is safe, I thought, beyond doubt. But it was not: the nest was pillaged one had climbed into the vine, seeking an enreflecting upon her ill luck about a week, seemed to resolve to try a different system of lings of the nest. It is fortunate that its range

which the nest was stayed and held to the smooth piece of greensward. There was not a weed or a shrub or anything whatever to conceal it or mark its site. The structure was completed and incubation had begun before I discovered what was going on. "Well, well," I said, looking down upon the bird almost at my feet, "this is going to the other extreme indeed; now, the cats will have you." The desperate little bird sat there day after day, looking like a brown leaf pressed down in the short green grass. As the weather grew hot, her position became very ished; and there its form, dried and embalmed trying. It was no longer a question of keeping the eggs warm, but of keeping them from roasting. The sun had no mercy on her, and she fairly panted in the middle of the day. In such an emergency, the male robin has been known to perch above the sitting female and shade her with his outstretched wings. But in this case there was no perch for the male bird, had he been disposed to make a sunshade of himself. I thought to lend a hand in this direction myself, and so stuck a leafy twig beside the nest. This was probably an unwise interference; it guided disaster to the spot; the nest was broken up, and the mother-bird probably was caught, as I never saw her afterward.

For several summers past a pair of kingbirds have reared, unmolested, a brood of young in an apple-tree, only a few yards from the house; but, during the present season, disaster overtook them also. The nest was completed, the eggs laid, and incubation had just begun. when, one morning about sunrise, I heard loud cries of distress and alarm proceed from the old apple-tree. Looking out of the window I saw a crow, which I knew to be a fish-crow, perched upon the edge of the nest hastily bolting the eggs. The parent birds, usually so ready for the attack, seemed overcome with grief and alarm. They fluttered about in the most helpless and bewildered manner, and it was not till the robber fled on my approach that they recovered themselves and charged upon him. The crow scurried away with upturned, threatening head, the furious kingbirds fairly upon his back. The pair lingered around their desecrated nest for several days, almost silent, and saddened by their loss, and then disappeared. They probably made another trial elsewhere.

The fish-crow fishes only when it has denight, either by an owl, or else by a rat that stroyed all the eggs and young birds it can find. It is the most despicable thief and trance to the house. The mother-bird, after robber among our feathered creatures. From May to August, it is gorged with the fledgetactics and to throw all appearances of con- is so limited. In size it is smaller than the cealment aside. She built a nest a few yards common crow, and is a much less noble and from the house beside the drive, upon a dignified bird. Its caw is weak and feminine -a sort of split and abortive caw, and stamps hay-barn in a remote backwoods clearing. I it the sneak-thief it is. This crow is common farther south, but is not found in this State, so far as I have observed, except in the valley of the Hudson.

The past season a pair of them built a nest in a Norway spruce that stood amid a dense growth of other ornamental trees near a large unoccupied country house. They sat down amid plenty. The wolf established himself in the fold. The many birds-robins, thrushes, finches, vireos, pewees - that seek the vicinity of dwellings (especially of these large country residences with their many trees and park-like grounds), for the greater safety of their eggs and young, were the easy and convenient victims of these robbers. They plundered right and left, and were not disturbed till their young were nearly fledged, when some boys, who had long before marked

them as their prize, rifled the nest.

The song-birds nearly all build low; their cradle is not upon the tree-top. It is only birds of prev that fear danger from below more than from above and that seek the higher branches for their nests. A line five feet from the ground would run above more than half the nests, and one ten feet would bound more than three-fourths of them. It is only the oriole and the wood pewee that, as a rule, go higher than this. The crows and jays and other enemies of the birds have learned to explore this belt pretty thoroughly. But the leaves and the protective coloring of most nests baffle them as effectually, no doubt, as they do the professional oölogist. The nest of the red-eyed vireo is one of the most artfully placed in the wood. It is just beyond the point where the eye naturally pauses in its search, namely, on the extreme end of the lowest branch of the tree, usually four or five feet from the ground. One looks up and down and through the tree, - shoots his eyebeams into it as he might discharge his gun at some game hidden there, but the drooping tip of that low horizontal branch - who would think of pointing his piece just there? If a crow or other marauder were to alight upon the branch or upon those above it, the nest would be screened from him by the large leaf that usually forms a canopy immediately above it. The nest-hunter, standing at the foot of the tree and looking straight before him, might discover it easily, were it not for its soft, neutral gray tint which blends so thoroughly with the trunks and branches of trees. Indeed, I think there is no nest in the woods - no arboreal nest - so well concealed. The last one I saw was pendant from the end of a low branch of a maple, that nearly grazed the clapboards of an unused nose, and I discovered it, not by searching,

peeped through a crack and saw the old birds feed the nearly fledged young within a few inches of my face. And yet the cow-bird finds this nest and drops her parasitical egg in it. Her tactics in this as in other cases are probably to watch the movements of the parent bird. She may often be seen searching anxiously through the trees or bushes for a suitable nest, yet she may still oftener be seen perched upon some good point of observation watching the birds as they come and go about her. There is no doubt that, in many cases, the cow-bird makes room for her own illegitimate egg in the nest by removing one of the bird's own. A lady, living in the suburbs of an eastern city, one morning heard cries of distress from a pair of house-wrens that had a nest in a honeysuckle on her front porch. On looking out of the window, she beheld this little comedy—comedy from her point of view, but no doubt grim tragedy from the point of view of the wrens: a cow-bird with a wren's egg in its beak running rapidly along the walk, with the outraged wrens forming a procession behind it, screaming, scolding, and gesticulating as only these voluble little birds can. The cow-bird had probably been surprised in the act of violating the nest, and the wrens were giving her a piece of their minds.

Every cow-bird is reared at the expense of two or more song-birds. For every one of these dusky little pedestrians there amid the grazing cattle there are two or more sparrows, or vireos, or warblers, the less. It is a big price to pay—two larks for a bunting—two sovereigns for a shilling; but nature does not hesitate occasionally to contradict herself in

just this way.

I noted but two warblers' nests the past season, one of the black-throated blue-back and one of the redstart,—the latter built in an apple-tree but a few yards from a little rustic summer-house where I idle away many summer days. The lively little birds, darting and flashing about, attracted my attention for a week before I discovered their nest. They probably built it by working early in the morning, before I appeared upon the scene, as I never saw them with material in their beaks. Guessing from their movements that the nest was in a large maple that stood near by, I climbed the tree and explored it thoroughly, looking especially in the forks of the branches, as the authorities say these birds build in a fork. But no nest could I find. Indeed, how can one by searching find a bird's nest? I overshot the mark; the nest was much nearer me, almost under my very

some days.

but by a casual glance of the eye, while brilliant recitative. It was in an open field thinking of other matters. The bird was just under a low ground-juniper. My dog dissettling upon it as I looked up from my book and caught her in the act. The nest was built near the end of a long, knotty, horizontal branch of an apple-tree, but effectually hidden by the grouping of the leaves; it had three eggs, one of which proved to be barren. The two young birds grew apace, and were out of the nest early in the second week; but something caught one of them the first night. The other probably grew to maturity, as it disappeared from the vicinity with its parents after

The blue-back's nest was scarcely a foot from the ground, in a little bush situated in a low, dense wood of hemlock and beech and maple,—a deep, massive, elaborate structure, in which the sitting bird sank till her beak and tail alone were visible above the brim. It was a misty, chilly day when I chanced to find the nest, and the mother-bird knew instinctively that it was not prudent to leave her four half incubated eggs uncovered and exposed for a moment. When I sat down near the nest she grew very uneasy, and after trying in vain to decoy me away by suddenly dropping from the branches and dragging herself over the ground as if mortally wounded, she approached and timidly and half doubtingly covered her eggs within two yards of where I sat. I disturbed her several times, to note her ways. There came to be something almost appealing in her looks and manner, and she would keep her place on her precious eggs till my outstretched hand was within a few feet of her. Finally, I covered the cavity of the nest with a dry leaf. This she did not remove with her beak, but thrust her head deftly beneath it and shook it off upon the ground. Many of her sympathizing neighbors, attracted by her alarm-note, came and had a peep at the intruder and then flew away, but the male bird did not appear upon the scene. The final history of this nest I am unable to give, as I did not again visit it till late in the season, when, of course, it was empty.

Years pass without my finding a brownthrasher's nest; it is not a nest you are likely to stumble upon in your walk; it is hidden as a miser hides his gold and watched as jealously. The male pours out his rich and triumphant song from the tallest tree he can find, and fairly challenges you to come and look for his treasures in his vicinity. But you will not find them if you go. The nest is somewhere on the outer circle of his song; he is never so imprudent as to take up his stand very near it. The one I found the past

turbed the sitting bird as I was passing near. The nest could be seen only by lifting up and parting away the branches. All the arts of concealment had been carefully studied. It was the last place you would think of looking, and, if you did look, nothing was visible but the dense green circle of the low-spreading juniper. When you approached, the bird would keep her place till you had begun to stir the branches, when she would start out, and, just skimming the ground, make a bright brown line to the near fence and bushes. I confidently expected that this nest would escape molestation, but it did not. Its discovery by myself and dog probably opened the door of ill luck, for one day, not long afterward, when I peeped in upon it, it was empty. The proud song of the male had ceased from his accustomed tree, and the pair were seen no more in that vicinity.

The phoebe bird is a wise architect, and perhaps enjoys as great an immunity from danger, both in its person and its nest, as any other bird. Its modest ashen-gray suit is the color of the rocks where it builds, and the moss of which it makes such free use gives to its nest the look of a natural growth or accretion. But when it comes into the barn or under the shed to build, as it so frequently does, the moss is rather out of place. Doubtless in time the bird will take the hint, and, when she builds in such places, will leave the moss out. I noted but two nests the past season: one in a barn failed of issue, on account of the rats, I suspect, though the little owl may have been the depredator; the other, in the woods, sent forth three young. This latter nest was most charmingly and ingeniously placed. I discovered it while in quest of pondlilies in a long, deep, level stretch of water in the woods. A large tree had blown over at the edge of the water, and its dense mass of upturned roots, with the black, peaty soil filling the interstices, was like the fragment of a wall several feet high, rising from the edge of the languid current. In a niche in this earthy wall, and visible and accessible only from the water, a phœbe had built her nest and reared her brood. I paddled my boat up and came alongside ready to take the family aboard. The young, nearly ready to fly, were quite undisturbed by my presence, having probably been assured that no danger need be apprehended from that side. It was not a likely place for minks, or they would not have been so secure.

I noted but one nest of the wood pewee, season was thirty or forty rods from the point and that, too, like so many other nests, failed where the male was wont to indulge in his of issue. It was saddled upon a small dry

the sitting bird upon the nest. Then one morning she was not in her place, and on examination the nest proved to be empty robbed, I had no doubt, by the red squirrels, as they were very abundant in its vicinity and appeared to make a clean sweep of every nest. The wood pewee builds an exquisite nest, shaped and finished as if cast in a mold. It is modeled without and within with equal neatness and art, like the nest of the humming-bird and the little gray gnatcatcher. The material is much more rebirds, being, in the present case, dry, fine cedar twigs; but these were bound into a shape as rounded and compact as could be molded out of the most plastic material. Indeed, the nest of this bird looks precisely like a large, lichen-covered, cup-shaped excrescence of the limb upon which it is placed. And the bird, while sitting, seems entirely at her ease. Most birds seem to make very hard work of incubation. It is a kind of martyrdom which appears to tax all their powers of endurance. They have such a fixed, rigid, predetermined look, pressed down into the nest and as motionless as if made of cast-iron. attitude is easy and graceful; it moves its head this way and that, and seems to take note of whatever goes on about it; and if its neighbor were to drop in for a little social chat, it could doubtless do its part. In fact, it makes light and easy work of what, to most other birds, is such a serious and engrossing matter. If it does not look like play with her, it at least looks like leisure and quiet contemplation.

There is no nest-builder that suffers more from crows and squirrels and other enemies than the wood-thrush. It builds as openly and unsuspiciously as if it thought all the world as honest as itself. Its favorite place is the fork of a sapling, eight or ten feet from the ground, where it falls an easy prey to every nest-robber that comes prowling through the skulks and hides like the cat-bird, the brownthrasher, the chat, or the cheewink, and its nest is not concealed with the same art as theirs. Our thrushes are all frank, open-man- conceals the little, as the desert conceals the nered birds; but the veery and the hermit build upon the ground, where they at may find the nest once, if your course chances least escape the crows, owls, and jays, and to lead you across it and your eye is quick stand a better chance to be overlooked by enough to note the silent brown bird as she the red squirrel and weasel also; while the darts swiftly away; but step three paces in robin seeks the protection of dwellings and the wrong direction, and your search will

limb of a plane-tree that stood by the road- out-buildings. For years I have not known side, about forty feet from the ground. Every the nest of a wood-thrush to succeed. The day for nearly a week as I passed by I saw past season I observed but two, both apparently a second attempt, as the season was well advanced, and both failures. In one case, the nest was placed in a branch that an apple-tree, standing near a dwelling, held out over the highway. The structure was barely ten feet above the middle of the road, and would just escape a passing load of hay. It was made conspicuous by the use of a large fragment of newspaper in its foundation-an unsafe material to build upon in most cases. Whatever else the press may guard, this particular newspaper did not guard this nest from fractory than that used by either of these harm. It saw the egg and probably the chick, but not the fledgeling. A murderous deed was committed above the public highway, but whether in the open day or under cover of darkness I have no means of knowing. The frisky red squirrel was doubtless the culprit. The other nest was in a maple sapling, within a few yards of the little rustic summer-house already referred to. The first attempt of the season, I suspect, had failed in a more secluded place under the hill; so the pair had come up nearer the house for protection. The male sang in the trees near by for several days before I chanced to see the nest. The very morning I think it was But the wood pewee is an exception. It is finished, I saw a red squirrel exploring a tree largely visible above the rim of the nest. Its but a few yards away; he probably knew what the singing meant as well as I did. I did not see the inside of the nest, for it was almost instantly deserted, the female having probably laid a single egg, which the squirrel had devoured.

If I were a bird, in building my nest I should follow the example of the bobolink, placing it in the midst of a broad meadow, where there was no grass, or flower, or growth unlike another to mark its site. I judge that the bobolink escapes the dangers to which I have adverted as few or no other birds do. Unless the mowers come along at an earlier date than she has anticipated, that is, before July 1st, or a skunk goes nosing through the grass, which is unusual, she is as safe as bird well can be in the great open of nature. She selects the most monotonous and uniwoods and groves. It is not a bird that form place she can find amid the daisies or the timothy and clover, and places her simple structure upon the ground in the midst of it. There is no concealment, except as the great pebble, as the myriad conceals the unit. You

a nest by accident one day, and then lost it broods, our meadows would swarm with again one minute afterward. I moved away them. a few yards to be sure of the mother-bird, charging my friend not to stir from his tracks. past August in a single orchard, all produc-When I returned, he had moved two paces, he said (he had really moved four), and we in them. The cedar-bird is the most silent of spent a half hour stooping over the daisies our birds, having but a single fine note, so far and the buttercups, looking for the lost clew. We grew desperate, and fairly felt the ground over with our hands, but without avail. I marked the spot with a bush, and came the next day, and, with the bush as a center, moved about it in slowly increasing circles, covering, I thought, nearly every inch of ground with my feet and laying hold of it with all the visual power I could command, till my patience was exhausted and I gave up, baffled. I began to doubt the ability of the parent birds themselves to find it, and so secreted myself and watched. After much delay, the stroyer of the eggs and young of birds. I male bird appeared with food in his beak, and think the mischief it does in this respect can satisfying himself that the coast was clear, hardly be overestimated. Nearly all birds dropped into the grass which I had trodden look upon it as their enemy and attack and down in my search. Fastening my eye upon a particular meadow-lily, I walked straight to haunts. Thus, I have seen the pewee, the the spot, bent down and gazed long and intently into the grass. Finally my eye separated the nest and its young from its surroundings. My foot had barely missed them in my search, but by how much they had escaped my eve I could not tell. Probably not by distance at all, but simply by unrecognition. They were virtually invisible. The dark gray and yellowish brown dry grass and stubble of the meadow-bottom were exactly copied the past summer my attention was arrested by in the color of the half-fledged young. More the angry notes of a pair of brown-thrashers than that, they hugged the nest so closely and that were flitting from bush to bush along an formed such a compact mass, that though there were five of them, they preserved the without shape or color, and not separable, except by closest scrutiny, from the one of it. They had probably robbed the thrashers. the meadow-bottom. That nest prospered, as bobolinks' nests doubtless generally do; for, notwithstanding the enormous slaughter of the birds during their fall migrations by southern sportsmen, the bobolink appears to hold its own, and its music does not diminish in our northern meadows.

Birds with whom the struggle for life is the sharpest seem to be more prolific than those whose nest and young are exposed to fewer dangers. The robin, the sparrows, the pewees, etc., will rear, or make the attempt to rear, two and sometimes three broods in a season; but the bobolink, the oriole, the kingbird, the morseless and cruel. One could understand goldfinch, the cedar-bird, the birds of prey, the alarm of the rats when they discover one treats in the trunks of trees, have usually but creatures threading their holes. To flee must

probably be fruitless. My friend and I found a single brood. If the bobolink reared two

I noted three nests of the cedar-bird the tive, but all with one or more unfruitful eggs as I have observed, but its manners are very expressive at times. No bird known to me is capable of expressing so much silent alarm while on the nest as this bird. As you ascend the tree and draw near it, it depresses its plumage and crest, stretches up its neck, and becomes the very picture of fear. Other birds, under like circumstances, hardly change their expression at all till they launch into the air, when by their voice they express anger rather than alarm.

I have referred to the red squirrel as a deannoy it when it appears near their breeding cuckoo, the robin, and the wood-thrush pursuing it with angry voice and gestures. If you wish the birds to breed and thrive in your orchard and groves, kill every red squirrel that infests the place; kill every weasel also. The weasel is a subtle and arch enemy of the birds. It climbs trees and explores them with great ease and nimbleness. I have seen it do so on several occasions. One day during old stone row in a remote field. Presently I saw what it was that excited them-three unit of expression,—no single head or form large, red weasels or ermines coming along was defined; they were one, and that one was the stone wall and leisurely and half playfully exploring every tree that stood near They would go up the trees with great ease and glide serpent-like out upon the main branches. When they descended the tree they were unable to come straight down, like a squirrel, but went around it spirally. How boldly they thrust their heads out of the wall and eyed me and sniffed me, as I drew near,-their round, thin ears, their prominent, glistening, bead-like eyes, and the curving, snake-like motions of the head and neck being very noticeable. They looked like blood-suckers and egg-suckers. They suggested something extremely reand the woodpeckers, that build in safe re- of these fearless, subtle, and circumventing be like trying to escape death itself. I was armed me with an old musket and sent me undulating along and ran under the stone so bent on doing it that I fired at them, boyupon which I was standing. As I remained like, simply to thwart their purpose. One of motionless, he thrust out his wedge-shaped the weasels was disabled by my shot, but the stoat. When I was a boy, my father one day side.

one day standing in the woods upon a flat to shoot chipmunks around the corn. While stone, in what at certain seasons was the bed watching the squirrels, a troop of weasels of a stream, when one of these weasels came tried to cross a bar-way where I sat, and were head and turned it back above the stone as if troop was not discouraged, and, after making half in mind to seize my foot; then he drew several feints to cross, one of them seized back, and presently went his way. These the wounded one and bore it over, and the weasels often hunt in packs like the British pack disappeared in the wall on the other

John Burroughs.

WILL NEW YORK BE THE FINAL WORLD METROPOLIS?

As a mathematical and mechanical prod- in the individual, so in the whole, the singleigy, the great Roebling Bridge, connecting Brooklyn with New York, is eclipsed by its philosophic aspect, as a vital artery, and a bond of more strength than cables and trussed beams of steel. It is a nerve of conscious identity between the two sides of the tion is grasped by the expressive continuity, but especially as the crossing populations grow habituated to the indivisible expanse of which the glimpses of a boundary river show like partial seams in an almost seamless and purposes, the same.

which both expression and effect are given to solidated by the war for the Union. Assumthe genius and character of a nation. It is ing, as a first principle in political philosophy, the brain, from which the nerves of public in- that national being is organic and analogous telligence and impulse spread to every extremity, and to which the minor centers and veloping, if not developed from one central ganglia are unconsciously subsidiary. It is sensorium,—it follows that every local movethe heart, whose pulsations gather and redis- ment from partial causes, however powerful, tribute the vital currency from and to the must merge at length in a common vortex remotest veinlets. It is the alimentary center of national force and motion, a metropolis where the national wealth is digested, mobil- commensurate with the future of the Ameriized, and infused into the circulation to nour- can republic. The greater the complexity of ish every fiber of the system. There can no genius and the exuberance of vitality exhibmore be two such vital systems and centers ited in so many Titanic rivals, all so unlike, in a nation than in an individual. No such the more majestic, simply, the center to which

ness of such organs is the unity of the being, and their size and vigor are the measure of its vitality and power.

History is little more than the history of capital cities. "Paris is France." Blot out from English annals all that was originated or double city, not only as the eye follows the consummated in London, and what have you ceaseless thrill of movement and the imagina- left? Rome was the ultimate focus of vital force in the ancient world. No people ever successfully organized and maintained itself with a plurality of capitals. A second capital city beneath and around on every side, within rent the Roman empire in twain. Babylon culminated on the ruins of Nineveh.

In our own young country, the organism whole. With this imposing specimen of the is not yet perfectly defined. More than one spontaneous evolution and integration of a quasi metropolis aspires to be the vital center. great metropolis before every eye, it may be Arguments have been constructed from plauhoped that a somewhat novel treatment of sible data in favor of each of these expectant the great New York question, on general and capitals. Dubious opinion in most minds, vital principles, may meet with thoughtful apperhaps, halting between such arguments, has preciation. The statistical evidences might questioned whether any one city were destined have been revised to a later date; but the to metropolitan supremacy in America. But, totals, and the illustrative effect for which they despite the force of rival pretensions, our are used, would still have been, to all intents glimpse of national physiology instructs us that there must be one and only one center The metropolis is the chief organ through of the continental nationality tested and conto the individual organism, - inevitably delusus naturæ was ever long preserved. As they must all prove tributary at last. The sys-