The Song of the Lower Classes.

BY ERNEST JONES.

AIR-"The Brave Old Oak." We plough and sow-we're so very, very low,

That we delve in the dirty clay, Till we bless the plain-with the golden grain, And the vale with the fragrant hay. Our place we know-we're so very low, 'Tis down at the landlord's feet; We're not too low the bread to grow, But too low the bread to eat.

Chorus: We're not too low the bread to grow, But too low the bread to eat.

Down, down, we go-we're so very, very low, To the hell of the deep-sunk mines, But we gather the proudest gems that glow When the crown of a despot shines, And whenever he lacks-upon our backs Fresh loads he deigns to lay; We're far too low to vote the tax, But not too low to pay.

Chorus: We're far too low to vote the tax, But not too low to pay.

We're low-we're low-mere rabble, we know, But at our plastic pawer, The mould at the lordling's feet will grow Into palace and church and tower-Then prostrate fall-in the rich man's hall, And cringe at the rich man's door; Wer'e not too low to build the wall, But too low to tread the floor!

Chorus: We're not too low to build the wall, But too low to tread the floor!

We're low-we're low-we're very, very low, Yet from our fingers glide The sliken flow-and the robes that glow Round the limbs of the sons of pride, And what we get-and what we give, We know, and we know our share: We're not too low the cloth to weave, But too low the cloth to wear.

Chorus: We're not too low the cloth to weave, But too low the cloth to wear!

We're low-we're low-we're very, very low, And yet when the trumpets ring, The thrust of the poor man's arm will go Through a heart of the proudest king. We're low-we're low-our place we know, We're only the rank and file, We're not too low-to kill the foe, But too low to touch the spoil. Chorus: We're not too low to kill the foc, But too low to touch the spoil.

Entomology.

girls as well as the boys, while yet at an age with muck or spent tan. for keen observation, to the articles appearing in Way.

Oct.-56 Mr. Glover says:-

of any one of the pernicious insects, (ball worm, out the grass and weeds. wheat midge, caterpillar, &c.) by the practical and be effected.

Indeed, it is absolutely necessary that a farmer door) until early in spring. means in our power.

papelio asterias. Any humane and kindhearted drought than wild fruit. One man, with a rake purpose more than 3000 feet deep. farmer, unversed in entomology, who should see | made for the purpose, will gather from thirty to his children chasing and killing the beautiful black forty bushels a day, with a boy to pick up the scat- amine the Asiatic contributions to science .and yellow spotted butterfly that was flitting tering ones .- [Selected. joyously over his vegetable garden, in the spring or early summer, apparently leading a life of mere harmless pleasure, would, no doubt, reprove them for wantonly destroying such a pretty, harmless insect; and yet, if the truth was known, this par-ley, celery, parsnips and carrots.

there is little frost to destroy vegetable life, and by Morse, 1843.

there are several generations in one season. Dr. John Gamble, of Tallahasse, Fla., assisted by myself, dissected a female ball-worm moth or miller, (aninsect which, in the caterpillar state, is most destructive to cotton), and we discovered a mass society; in Asia, it is in the individual-the unof eggs, which, when counted, amounted, at the known, starving, illiterate, but strong-willed sol- of the happiest suggestions of the genius of man. least calculation, to five hundred, duly hatched, for | dier of to-day, is the pasha, the emperor, the the first generation, say one-half males, the rest caliph to-morrow. The castes of India form but females; the second generation, if undisturbed, a trifling exception to the fact that, in the midst would amount to 125,000, and the third be almost of a universal despotism, the primest democratic incalculable.

ous early in the season, owing to the birds devour- periority again and again. Europe has never ing them, the rigor of winter, and various other produced a great lawgiver. Asia has produced creed power is beginning to prohibit the Bible as accidental causes, and if practical means were many. Generations of three hundred millions of found to destroy them as early in the spring as men have followed the maxims of Confucius for possible, the immense ravages of the second and more than two thousand years; three hundred third generations might be prevented. In one millions are the followers of Mohammed, - The female (œceticus) case or hangworm, so destruc- faiths which govern the daily life of two thirds of tive to the shade trees, I counted nearly eight the human race may well be an awful spectacle hundred eggs, although the specimen was but to us-the more awful because we know that small.

infected tree in the winter, when they can most a statesman are to be measured by the grandeur easily be seen, owing to the fall of the leaf, and of under akings and their success, itstill remains then immediately burned, the trees would be com- for Europe to produce a soldier the equal of her clergy might have studied the Bible to find the paratively free the next season; and by following | Jenghis Khan, and a king like Tamerlane. These this plan for one or two years more, the work great captains held almost all Asia in their iron growing gradually less and less, the insect might grasp. The opinions we commonly hold respect- our theological seminaries is a mere form, to say finally be exterminated, inasmuch as the female ing these illust ious men have come to us through nothing of the thumbscrew of criticism, by which never leaves her case, but orms her nest of eggs perverted channels. Such prodigious successes every original mind is tortured into negative proinside; and yet these noxious pests are suffered, as theirs imply the highest intellectual powers. year by year to increase, when so little trouble Their true character appears when we compare would destroy them. Other insects again have them with their European contemporaries. At other habits, which if fully known, would likewise the same time that Charles VII of France was lead to their destruction.'

Cranberry Culture.

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substratum. They also do well on muck, or any of Samarcand, his capital, with a mural quadrant poor, swampy land, where nothing else will grow of 180 feet radius, and making a catalogue of the -they grow naturally on watery bogs a d marshes stars from his own observations, which more the mold of age upon them." - on the border of streams and ditches, and by than two hundred years subsequently was printdraining wet land, and then taking off the top of ed at the University of Oxford! the ground to remove the wild grass or vegetable matter, and carry to the manure heap, then cart owes to the Asiatic, he has only to cast a glance ground loose around the plant.

coarse sand, entirely destitute of organic matter from the side of a Syrian mountain. The linens of any kind, but accessible to moisture-on pure and cottons with which he clothes himself, though peat covered with sand, and on every variety of they may be fine, are inferior to those which have soil, except clay, liable to bake or become hard in been made from time immemorial in the looms of dry weather, on soil that can be worked with a India. The silk was stolen by some missionaries plow and harrow-it can be prepared as you for his benefit from China. He could buy a bet er would do it for planting out garden and other razor than that with which he shaves himself, in plants; sometimes it can be burned over, so as to the old city of Damascus. get it in a condition to set out the plants. They can also be raised on moist loam, where corn and We invite the attention of farmers, especially potatoes will grow, but not so abandantly on dry

A more simple mode where there is hardly any our Journal, on those insects at once so insigni- thing but bushes and bogs, then strike a hoe into virtues of that leaf we're first pointed out by the ficant and yet so fearful, that they sometimes de- the soil, and raise it a little to insert the roots and industrious Chinese. They also taught him how solate whole countries, constituting the subject of press the soil slightly with the foot. No animal to make and use the cup and saucer in which to entomology. Let no one think the science in- or vegetable manure should be used, as the fruit serve it. His breakfast tray was lacquired in significant because it treats of life in a small draws most of its moisture from the atmosphere. Japan. There is a tradition that leavened bread The poorer the soil, the less cultivation is needed. | was first made of the waters of the Ganges. The Those insects which can, and often do, baffle Lay out the grounds as you would for setting out | gg he is breaking was laid by the fowl whose all the efforts of man, are not too insignificant to cabbage, strawberry, or other plants-have a point- ancestors were domesticated by the Malaccans, deserve our attention. In confirmation of our ed stick or dibble, and make a hole for the plant unless she may have been though that will not land worse men than when they went into it, one views of the importance of this subject, we quote have the roots emerged in muddy water so to ad- latter the case-a modern Shanghai. from T. Glover, Esq., the distinguished entomol- here to the root-place it in the hole, and press ogist. connected with the Agricultural Bureau of the dirt very closely around it. To have the let him remember with thankfulness that P-rsia barbarous Latin of the Gauls; and had acquired, the United States Patent Office. Let us invite all rows uniform, draw a line and put the plants, 18 first gave him the cherry, the peach, the plum. with the language, all the vices it had names for. our readers, and above all the boys and the young by 20 inches, in rows-where small patches are If in any of these delicate preparations he detects The Conquest has obtained in the Chronicle the men, to what he says about the birds as destroyers desired, which can be kept clean with a hee-the the flavor of the alcohol, let it remind him that name of the "Memory of Sorrow." Twenty of insects. The birds are our best friends .- nearer they are together, the quicker they cover that substance was first di tilled by the Arabians, thousand thieves landed at H. stings. Don't kill the birds .- [Plough, Loom and Auvil, the ground-but where acres are planted, it will who have set him the praiseworthy example, save much labor by putting them 2 to 21/2 feet which it will be for his benefit to follow, of ab- greedy and ferocious dragoons, sons of greedy and "A close study of the habits and transformations apart, then a plow or harrow can be used to keep staining from its use. When he talks about coffee ferocious pirates. They were all alike, they took

After one or two years' cultivation to keep out intelligent former, would prove not only a source | the grass, they will take care of themselves. At of great pleasure, as leading him to a keener sense 18 inches apart, it will take 19,000 plants; 2 feet, cating drinks, the Prophet of Mecca had accom- however, is the illusion of antiquity and wealth, of the beauteous and wonderful works of nature, 10,000; 216 feet, 7,000 plants to the acre. They as exemplified in the singular transformations in- can be planted out in the iall at the North, from sects undergo before they assume the perfect or Sept. until the ground freezes, or in the spring Africa to obey it. fly-state, but also a source of great profit, as by until the middle or last of May. At the South experimenting upon them in all the stages of their and West, if possible, they should be planted out the way the Orientals have taught us, with pearls, leopard, wolf and snake, which they severally existence, he might perchance discover some prac- in Autumn and December; if received too late for tical method by which their extermination could planting out, the roots can be covered with dirt in

should be able to recognize the insects that de- Where land for cranberry culture can be overstroy his crops, in all their various and wonderful flowed (which is by no means necessary), fall is trasformations, before any effectual remedy can the time to plant. The first year they often bear be applied; as in one stage of their life they may | 59 bushels to the acre, and increase every year, be suffered to live and enjoy themselves; nay, until sometimes they bear from 200 to 300 bushels fortifications as extensive as the Chinese wall. even sometimes be protected, while in another per acre-perhaps the net average is from 100 to We have no artesian wells that can at all approach stage we persecute and destroy them by every 150 bushels per acre. They usually bring from \$2 in depth some of theirs; we have not yet resorted tons to \$4 per bushel-never less than \$200.

For example, the beautiful butterfly of the Cultivated fruit is less likely to be affected with terior of the earth; they have borings for that

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The following table gives the years of the most important inventions and discoveries:

Glass windows first used, 1189; chimneys in pretty and much-to-be-pitied in sect is the parent houses, 1226; lead pipes for conveying water, the first table of signs, another explained the of all those nauseous-smelling green and black 1253; tallow candles for lights, 1290; spectacles, nature of twilight, and showed the importance of spotted worms that later in the seasons destroy his invented by an Italian, 1299; paper first made allowing for atmospheric refraction in astronomifrom line, 1302; woollen cloth first made in Eng- | cal observations. Algebra itself was invented a d Yet by merely crushing the parent fly at one land, 1331; printing invented 1449; watches made brought into Europe by the Mahomedans, who graph is headed "The German Gaming Houses," blow early in the season, before it has deposited in Germany, 1470; variations in compass, noticed, gave it the name it bears. The same may be said and gives the information that the gaming tables its eggs, he would be spared the vexation of either 1532; pins used in England, 1540; circulation of of chemistry. seeing his plants devoured and seed destroyed, or blood, by Harvey, 1619; first newspaper publishhaving the disagreeable task of picking off, one by ed, 1637; first fire-engine invented, 1663; first one, some hundreds of caterpillars later in the steam engine improved, by Watt, 1763; steam history of any branch of science existing in the Company is to pay the State 250,000 floring season. This fact, will be more apparent when I cotton mill erected, 1783; stereotyping invented in 17th century, will find how deep are its obliga- in addition to the price of the annual lease, which state how in credibly fast some insects multiply, es- | Scotland, 1785; animal magnetism, by Mesmer, | tions to Asia. I shall, therefore, add but one fact is 105,000 florins, to give to the theatre of Wiespecially in the warmer climate of the South, where 1789; invention of the electro magnetic telegraph, more: the invention of the figures of arithmetic, baden each year 10 000 florins, and pay about

[From Doctor Draper's "Human Physiology."]

What the Asiatics have Done.

Now, these mother-flies are not very numer- talent. Through this, Asia has asserted her su- exchange paper:"they are a delusion.

Now, were all these cases taken from every If the talent for command and the capacity of mystifying his people with the imposture of Joan evangelical handcuffs. of Arc, and Henry VI of England, was engaged in the burning of necromancers who had attempted his life by melting an enchanted wax image The soil most suitable for the growth of cranber- | before the fire, Ulug Beg, the grandson of Tamer-

If the European wishes to know how much he inches, to level the ground and prevent grass and summons him from his bed in the morning was weeds from choking the vines, and to keep the the invention of the East, as were also clepsydras and sun-dials. The prayer for his daily bread, They bear abundantly on marshes covered with which he has said from his infancy, first rose

The coffee he expects at breakfast was first grown by the Arabians, and the natives of Upper India prepared the sugar with which he sweetens of young farmers, and of farmers' children, the or sandy soil, unless covered two or three inches it. A school boy can tell the meaning of the Sanscrit words "sacchara canda."

If his tastes are light, and he prefers tea, the

and alcohol, he is using Arabic words.

rubies, sapphires, diamonds. Of public amuse- resembled .- [Emerson. ments it is the s me; the most magnificent firea box or in a celler (but not in the ground out of works are at this day to be seen in India and

And as regards the pastimes of private life, Europe has produced no invention which can rival the game of chess. We have no hydraulic constructions as great as the Chinese canal; no to the practice of obtaining coal gas from the in-

Similar observations may be made if we ex-While the learned of Europe were forbidding as a heresy, the doctrine of the globular figure of the earth, the Calyph Al Maimon was measuring the length of a degree along the shore of the Red Sea. He and his successors repeatedly determined the obliquity of the ecliptic. A Saracen constructed

whoever will take the trouble to look into the "consideration" of 1,200,000 florins; that the which in reality gave birth to that science, and 50,000 floring to the support of the chapel.

laid knowledge and commerce equally nader obligations. For its simplicity, beauty, and unversality, this invention alone is enough to command In Europe, the career of improvement is in the the gratitude of the human race. The manner of using the cipher, and placing the figures, is one

REV. HENRY WARD BEECHER ON CREEDS .- "We know not" says the Christian Enquirer, "where to find a better protest against the abuse referred element is concealed, for the career is open to to, than the following, which we copy from air

> "There is nothing in the statement that the really as Rome did, though in a subtler way .-During the whole course of seven years' study, the Protestant candidate for the ministry sees before him an unauthorized statement, spiked down and stereotyped, of what he must find in the Bible, or be martyred. And does any one acquainted with human nature need to be told that he studies under a tremendous pressure of motive? Is that freedom of opinoin-the liberty wherewith Christ maketh free?

> Rome would have given that. Every one of Pontifical creed, on the pain of death. Was that liberty? Hence, I say, that liberty of opinion in priety. The whole boasted liberty of the student consists in a choice of chains-a choice of handcuffs-whether he wil wear the Presbyterian handcuffs, Baptist, Methodist, Episcopal, or other

Hence it has now come to pass that the ministry themselves dare not study the Bible. Large portions thereof are seldom touched. It lies useless lumber; or, if they do study and search, they ries is low, wet, marshy ground, on sandy or light lane, was determining with precision the latitude cannot show their people what they find there.-There is something criminal in saying anything new. It is shocking to utter words that have not

RIFLE SHELLS -I mentioned in my last Colonel Sacob's rifle-shooting at Kurrachee and his blowing up ammunition-wagons at 1200 yards. The feats I then recorded have since been surpassed .on beach or other sand to the depth of two or three at an hour of his daily life. The clock which The Colonel was desirous of trying his rifle shells at a greater distance, and accordingly 1800 yards were marked off from the object upon which their power was to be tested.

That object was a box I') feet square. It was double throughout, a space of one inch being left between the outer and inner boards, each of which was an inch and a quarter thick. This intervening space was filled with guapowder, and was found to contain a charge of more than 500lb .-The box placed against the butt, well tarred over, and the shooting began. All shots were fired from the shoulder, no rests of any kind being used.

Four rifles were at work-one a 32 guage, two 24's, and a 16. That used by the Colonel was one of the 24's. After the practice had gone on for some time, and steadily improving, Col. Jacob's 21st shell struck the box, and blew it up with a violent explosion. The morning was at first dark and cloudy, but shortly after the firin begang it grew clearer, and became ultimately very favorable as regarded the light, though a fresh breeze blew steadily across the range.-[Letter from Bombay.

THE ANCESTORS OF THE BRITISH ARISTOCRACY. -The Normans came out of France into Enghundred and sixty years before. They had lost If there are preserves and frais on his board, their own language, and learned the Romance or

These founders of the House of Lords were everything they could carry, they burned harried, A thousand years before it had occurred to him | violated, tortured and killed until everything linto enact laws of restriction on the use of intoxi- glish was brought to the verge of ruin. Such, plished the same object; and what is more to the that decent and dignified men now existing boast purpose, has compelled to this day, all Asia and their descent from these filthy thieves, who showed a far juster conviction of their own merits, by We gratify our taste for personal ornament in assuming for their types the swine, goat, jackal,

> PROPERTIES OF GUTTA PERCHA .-- In some experiments made recently at the United States Naval Laboratory, upon gutta percha vestments, very interesting and valuable facts were adduced in regard to the characteristies of that material .-For instance, pea jackets made of gutta percha fabric were baled in the same manner as the cloth clothing for the navy, under a pressure of thirty

> They were then placed over a steam beiler in the yard, and remained for sixteen days, subject to an average temperature of 190 degrees, at times as high as 212 degrees. On examination, the garments were found in the same state as when packed. There was no adhesion of the folds, nor any decomposition of the gutta percha. One jacket was dipped in water, rolled up, and sewed in the corners, but not pressed, and subjected to the same heat for three consecutive days; on being examined it was found in a state wholly free from injury.

GERMAN GAMING HOUSES .- Evidence of a rather corrupt social system appears in a statement made by the Journal de Francfort. The paraat Wiesbaden and Ems have passed from the It is needless to pursue these statements, for hands of two individuals to a Company for the