five times more watches are sold annually in very best and finely finished that ever M. Piage North America, than in any other portion of the saw had been made at Geneva, and was sent to globe containing the same number of inhabi l people, since we are so careful in our observa-tions of "fleeting time." In 1857—before the "pame"-we imported watches and their works to the value of \$3,281,000; in 1858, the importation was valued a \$2,207,000, but since that teriod this business has been very dull.

A very useful little book on this subject has lately been produced by H. F. Piaget, of this city, a practical watch maker of 10 years' ex perience. He commenced his efforts at fabricating watchwork in Switzerland, when he was only seven years old; he also made watches in London for several years had has followed the same craft for a considerable time in America, so that he can speak authoritatively on the sub-The whole operations of a watch are dependent upon the retractile erastic force of a coiled steel spring-that is its moving power. The operation of moving the hands on the dial regularly, to measure time are due to devices which control the coiled spring so as to permit it to "rnn down," with regularity. A train of small wheels, gearing into one another, receives motion from one wheel on the spindle of the main spring; and this gives the requisite number of revolutions to the time hands on the dial. watch is a very simple machine, so far as it relates to the principles of its operation; but the construction of its parts and their arrangement call forth the highest exercise of mechanical skill.

The above-named author says that the English were really the first successful manufacturers of watches, and that " all the escapements applied! to good ones, whether at home or abroad, were invented by them. The best of these are jeweled with rubies, the art of boring which (for pivot holes) was discovered by M. Fazio, of Geneva, in 1790. He could not get his invention adopted in Paris, however; so he then went to London where he was well received. are the hardest stones which can be drilled, and are therefore the best for pivots; but garnets and various other crystals are used for the more common sort of watches; the English and Ameri can ones have generally a diamond jewel set over the upper part of the balance.

The Swiss are the largest manufactures of watches in the world, and all the cheap showy rarieties which are seen in jewelers' windows are principally of their manutacture. From reent statistics which we have examined, the naking of watches gives employment to 36,000 rorkmen in the Alpine Republic. England and iwitzerland are the only countries which export their time-keepers to any great extent; those which come from the former are the most accurate in their movements; those from the latter are the neatest and cheapest, yet some of the who entertain such vague notions.

great number of watches are imported entire. Swiss watches have also a very high reputation. We are informed, upon reliable authority, that as being accurate time-keepers. One of the California. The plates and bars for the wheels We ought therefore to be a punctual were of nickel, the wheels were of gold, it has a compensation ballance, an isochronal har spring, and anchor escapement.

The opinion of an experienced and skilled a: tasan, as to the character of our American-madwatches, is of great value. We are told by M. Piaget that "the American watch recommend itself for simplicity of construction, and it will be continually improving if the manufacture remains in the hands of persons who will make it of good quality without regard to the price. This is timely and appropriate advice: it is a injunction to strive for excellence rather that cheapness in such articles. The advice is par ticularly good, at this time, because very great efforts have of late years been made to produc cheap rather than good watches. When we con sider that this country affords such an extensive market for foreign watches, it certainly openslarge field for those of domestic manufacture; they can be produced of equal quality at the same prices. This is a question for our people to solve. They have the natural mechanics genius to invent, and with patience and applic tion they will finally succeed in this and in mat other important branches of manufacture. - Sc entific American.

Correspondence.

Pleuro-Pneumonia.

EDITOR AGRICULTURIST,-The earnest a unremitting efforts which you are putting for to inform your readers on this subject are e tremely praiseworthy. To prevent, suppresse counteract a disease which has made such fee ful ravages in our heids wherever it has ma its appearance, is an end much to be desire. and the individual, who by his undivided engies accomplishes that end, is as great a "be factor to his country as if he had caused t blades of grass to grow where only one b grown before."

I can scarcely imagine what kind of an it those people can have of diseases that: "catching," as they term them. I suppose is some peculiar kind of mythologica' anim which take their position in some portion of: animal organism and there continue to feast a new object presents itself, or the life of: animal which they have attacked is exti-After giving the matter a pretty thorough is tigation, I am inclined to arrive at a sim conclusion to the boy who was askea "who the earth's axis?" to which he replied, "i an imaginary line running through the head old philosophers;" and possibly imaginary; mals are running through the heads of the