SPYRRY, (Spergula Arrensis), might be profitably cultivated in British America-One light ploughing is sufficient, and as the grain is very small, it is but very lightly covered. About eight pounds of seed to the acre will be sufficient. Its growth is so rapid, that in about five or six weeks, it acquires its full height, which seldom exceeds fifteen to eighteen inches. The crop is generally a light one, but as it will grow on poor and sandy soils, it may be a profitable crop, as it is of rapid growth, and would supply, at trifling cost, a considerable quantity of food for milch cows in the latter end of the summer and harvest, when grass often becomes scarce. It will remain good until the frost sets in. It is sometimes made into hay; but from the watery nature of the plant, it dries in considerably, and is, therefore, more advantageously consumed as green food. Spurry may be sown any time in June, or even the first week of July. Early sowing, however, is best.



OBSERVATIONS ON THE DISEASED STATE OF RYE, (CALLED) ERGOT, AND THE CONSE.

For the British American Cultivator.

Mr. Editor,

Ryo is the prevailing grain in the greater part of the northern temperate thirst, great pains in the limbs and chest, none, Sweden, Norway. Denmark, and on the shores of the Baline sea, the north of Sermany, and part of Siberra. In these recognitions it formather street and the dearest the north of the street season of the Baline sea, the north of the street season of the season of the street seas countries it furnishes an agreeable kind of the flour, which is made into brend. The distribution of this family is no determined merely by climate, but depends much on the civilization, traffic, and industry of the people; while on the one hand it extends from the frozen region of Kanesket to contact the commencement of the present century. It from the frozen region of Kainsk: tra on the | commencement of the present century. other, it is custivated under the burning sun! came on with general weakness, a feehag of an Indian clime, and from the low damp; as though insects were treeping over the shores of the German ocean, to the soaring body; in a few days the extremites because the south American mountains, came cold, white, stiff, and so insensible, summits of the South American mountains, where one species (rice) is cultivated in sufficient quantities to supply the numerous wards lever, neadache, fingers, toes, arms, hordes of inhabitants; and, indeed it may had be said to fire the said to be said to furnish support to the greatest joints, and nature became exhausted. Frenumber of the human race.

Rye is subject to a disease, in which the pickle is changed into a long black substance resembling a spur, hence the name spurred rye. It has been known to attack t several plants of this order, -as wheat, oats. and barley. A difference of opinion exists as to its cause. Some suppose the disease is produced by unine moisture combined with warmth, and the spur is simply a diseased process from the juices of the plant. Decandolle maintains it to be a Scleratium clavus, or the growth of a fungus, which vegetates in place of the gorm on others: and it appears from the observation of Field, in America-where it is very numerous,that the glumes are punctured by a species of butter-fly, from which puncture the juice exules and gradually becomes a spur.

others, who say they have found the over and larvae of the insect in the spur. Field, who having observed flies practuring the glumes of the rye, during its milky state, by puncturing them with a needle; and found in both cases the juice exuded, and the pedoncle exhibited in four days a little black point, which gradually became a spur-

An claborate research u.s made by the Abbie Tesser in 1777, deputed by the Royal Medical Society of Paris, from the results of his investigation it appears to depend upon moisture, by damp lowlands, or fors. He observed, the diseased rye was more prevalent in the damp part of a field, and principally in lands that were not long a lineated, being formerly forest. It does not arpear to propagate by contagion; and to substantiate tins, Herturg in 1824, made some experiments to that effect, which appears conclusive, although Pontana has alleged to the contrary.

The spur is about one inch in length, of a dull whitish gray tint, covered by a violet blackish husk, has an acal taste, and a neculiar smell, its specific gravity is generally lighter than water, tough and flexible when moist, brickle when dry. It imparts 's properties to water and to alchohol.-Bread baked from spurred rie, becomes most, and cracks and crumbles after being taken from the oven.

Its analysis consists of guid, osinazide, salts of soda, and ammonia, fewla, colouring matter, a thick and slightly acrid oil, a thick reddish fluid, carpy reamatic odour, nauscous taste, composed more especially of resin, colouring matter, and extractive.

Its action upon man when taken as feed zires rise to two diseases, one of which ap-QUENCES TO WHICH IT GIVES RISE AS FOOD! Pears an active stage of the other; the first is described by Tanke, as it occurred in the north of Germany in 1770. Recommenced with dimness of sight, giddiness, loss of sensibility, followed by dreadful cramps and convulsions of the whole body, excessive quently it came on with contraction of the limbs, weakness of the mind, and mertification in the limbs.

> Dogs and cats generally vomit it and escape unhart, but swine, moles, geese, ducks, fewls, sparrows, as well as leeches and flies are killed by it: the symptems being giddiness, dilated pupil and palsy, followed by looseness, gatherings, mortifications, and the toes frequently drop off-

Yours, &c., C. SMALLWOOD, M. D. D.

ST. MARTIN, L. C March 24th, 1842.

To the Editor of The British American Cultivator

In the second number of The Cultiva-

first washed with "soap suds," and after being thoroughly dried, have a mixture of 'white lead and oil" applied to it. out questioning the efficiency or utility of hat application, which I have not had the apportunity of testing, I would take the li-berty of submitting to your notice, and through the medium of your very useful paper, to that of the public, the trial of one which I have used for that disease in my horse, not less than three times within the space of the last three years, and in each case with success. It consists in the application, to the diseased part of tar comblied with a little tallow or axenge. tallow being dissolved in the tar renders it more easy of application. My usual mode of preparing it, is to put about two gills of tarinto a fin vessel, to set it on live coals, or the cocking store, and to add about the eize of a lackory nut of tallow; after the ingredients are thoroughly dissolved and com-Lined I take it off, and after allowing to cool to such a degree of temperature as not to hurt. Papply it to the affected part, after removing the hair. I have invariably found ore application to be quite sufficient, and always effective; and am firmly persuaded that it will not fail on a single instance, if properly applied. The idea of using it in I'm crea of scratches in horses was suggested to my mind, by observing its wonderful offic's in a very singular case of scurvy on the harran ledy. The case to which I re-fer, occurred in North Britain. The entire surface of the hody of the patient was covered with the loathsome disease, to such a digree is to present the appearance of. 2prosy, and to threaten the extinction of life. After receiving the best medical advise that could be produced, and using various media cines, to no good or useful purpose, the one which I have just described was advised, and had recourse to; which in a short time effected a complete cure; and by removing the disease, restered the patient at once to health and beauty as afercume. I may also state, that a similar application of the same remedy to the human body, under the semo disease, although not so entire, nor so inveterate, was made in this neighbourhood not many years ago, and with equally hoppy and beneficial results. In such cases the application should be made only to a part of the lody at one time, in order to prevent any had consequences that might otherwise ensue from undue irritation. These facts I consider to be of much im-

fauce, not only to farmers, or the public at large, but also to the medical profession, who may be called upon for advice in cases similar to those last specified. It is with this conviction that I embrace the opporturay, which you so generously effer in your Monthly Periodical to make them known; and although not a farmer myself, yet as I wish well to the comfort and prosperity +1 farmers-as every man in Canada ought to do—I would thus show my desire, as a simulus to others, to contribute my "mite" to the general fund of useful and en'ertaining knowledge which The British American Cultivator contains, and is so emmently ! ted to communicate.

Esquesing, 9th March, 1842.

*. We extract the foregoing from a commumention signed "A Subscriber," and would recommend it to the notice of our readers. We would have been happy to have had it in our power to have placed the author's signature at the foot of his communication, being saushed that it would have had double the effect upon the public mind. Our views have been so frequen ly expressed upon the practice of publishing anonythous articles on agriculture, and its sister arts, that we hope more such will have occasion to be lteid, who published a treatise on the Ertor, I observe an article under the head of that we hope none such will have occasion to be got in 1771, embraced nearly the same "Cure for Scratches in Horses," in which dissatisfied, or charge us with neglect, if their views, as likewise Fontana. Tillet, and you recommend that the part affected be communications do not appear in our columns.