Mr. Chas. E. Saunders, of the Experimerical Farm, Ottawa, Discusses Their Qualities.

summary of the principal facts has been of these wheats shows a great improveprepared.

con and Percy. These four sorts have quite to the same extent. same percentage (Red Fife or White for all the relative merits of these able to reach the bottom of No. 1 shaft, pursuit of the higher life. Fife crossed with Ladoga). As usually wheats. It is very easy to draw precise and returned, several being in a state grown they are very much alike in conclusions from a single test, but un- of collapse. most respects and are not distinguish- fortunately such conclusions are usuable from each other after threshing. ally wrong. During the past few years The kernels resemble Red Fife, but any the writer has baked flour from thirtycompetent judge can easily detect the eight samples of these five wheats, havdifference between that variety and these ing made 170 test loaves. This amount others, provided all the samples con- of work enables one to draw certain sist of properly matured grain in pure conclusions, but by no means answers with Red Fife cannot be accurately sep- The chief general conclusions may be arated by examination of the kernels. here stated. As a rule Red Fife gives these early wheats resemble or are re- strength than these other wheats, prolated to wheats of the durum or "mac- vided the samples compared have been aroni" or "Goose" class is absurd. They grown under similar conditions and belong to the Fife class and have no properly ripened. Even when the conrelationship or similarity to Goose ditions have not been alike the Red wheat.

acteristics of each sort had been fully flour to absorb water and to produce a fixed by selection; and hence it is now large, fight loaf of fine texture and jusually possible in an ordinary field good shape. On a scale of points for of any of these wheats to find heads strength where 75 indicates weak, 85 or kernels of more than one type. In medium and 95 or more very strong, porder to overcome this objection, to Red Fife has varied from 84 to 102 and Amprove the varieties as much as pos- the other wheats from 69 to 93, the Red sible, and especially to get rid of the Fife being usually about 10 or 12 points proved strains were produced. Some in maintaining its high price in Eng- into the pit to seek another relative, only a small amount of seed is yet flour is to be used in pure condition. surroundings. fidly as possible. A full description of make the best bread. For mixing pur-Preston is a bearded wheat with yel- the highest price; and while in Eng- morning on Thursday wonderfully darlowish ("white") chaff; Huron, bearded land all kinds of clean wheat are read- ing but fruitless attempts, in one of with reddish chaff; Stanley, beardless ily saleable, the demand for really which poor Welby lost his life, were with reddish chaff, and Percy, beard- strong wheat is generally very great. made to get to the miners. At nine less with yellowish chaff.

When questions are asked in regard to these wheats the answers are usually desired in the form of a comparison with Red Fife. This method, therefore, seems the best to adopt in considering the various points here discussed.

Earliness .- These varieties usually ripen from about four to twelve days befere Red Fife, if sown on the same day and grown under exactly the same conditions. In the Northwest Provinces, Preston on summer-fallow will usually ripen at about the same time as Red Fife on stubble. Hot weather towards harvest reduces the difference in time of ripening. Cool weather lengthens it. Stiffness and length of straw. Resistance to Rust, Smut and other Diseases.-In regard to these points the early varieties show no striking differences from Red Fife.

Yield.-Experiments in regard to yield often give contradictory results under some conditions. Speaking generally, however, one may expect a large yield from any of these wheats, often larger than that from Red Fife. On the whole perhaps the bearded varieties (Preston and Huron) are rather more productive than the others. It must be remembered that these comparisons are generally made under conditions favorable to Red Fife. In cases where frost has to be considered the early varieties usually give distinctly heavier yields than Red Fife.

Appearance of Grain, Selling Price .-These early wheats are as hard as Red Fife and when the kernels with yellow skins are eliminated, are of a rich reddish color which is (if any difference be seen) rather darker than Red Fife. So long, therefore, as the Grain Inspection Act requires the higher grades to contain certain proportions of hard. red wheat of the Fife class, these varieties should grade quite as high as pure Red Fife. The grade, of course, largely controls the sale price in Canada.

The opinion of an English expert in regard to samples of Red Fife, Presten, Stanley and Percy, grown at Indian Head, Sask., in 1902, was that the

of a cent a bushel less.

samples of pure Red Fife and twenty-three tests of samples of the four ear- N FIRE WITH COMRADES TIIT lier wheats, all the tests having been carried out during the past few years

by the writer, personally. Color of Flour .- Preston and these other wheats have, like Red Fife, the disadvantage of producing flour not pale enough for the popular taste. Inyield flour of a deeper yellowish color than made from Red Fife. Some millers find it advisable to artificially bleach Red Fife; and such treatment In response to requests for precise in- would be necessary with Preston if it Preston is the best known of all the from the ordinary samples. Flour from bitterly when compelled to desist. early wheats grown in Canada. It the best selection of Stanley (Stanley | After the alarm was given, about six

The statement sometimes made that flour distinctly higher in baking Fife usually gives the stronger flour. In The distribution of these varieties some cases, however, one or other of from the Experimental Farms was be- the early wheats has the advantage. By gun many years ago, before the char- "strength" is meant the ability of the kernels with a yellow skin (which under ahead. This indicates a considerable lit up by the glare of a fire which had the present Grain Inspection Act are difference in favor of Red Fife in this been built on a mound, a small eight is not for daily use? What is its value the common possession leading all its considered inferior) a careful re-selec- important matter, the "strength" of the or nine-year-old boy stood sobbing his if it cannot make us strong for this children into larger powers and opportion of these wheats was undertaken a wheat from the Manitoba Inspection heart out. He was "waiting for daddy, few years ago, with the result that im- Division being one of the chief factors be said. But "daddy" had gone down living? This world in which we now because the leaven of the eternal love of these are now being distributed, and land. The most desirable strength for and the poor little chap was led away those of the very best quality (of which any flour is a matter of taste, if the to spend his vigil in more comfortable available) are being propagated as rap. The strongest flours do not necessarily each variety need not be given here; poses, however, the strongest wheats but it may be mentioned that selected or flours usually (not always) command ed, however, that the ordinary western the signal to be drawn up. graded wheat is by no means pure Red | Canvas was unrolled on the earth,

> variety. admirable qualities, I cannot recom- and it was seen at once that all of purpose of replacing Red Fife, as a va- effects of their descent. riety for export purposes, in those districts where early autumn frosts are not them a frightened linnet. When they feared. Wherever, in the western returned the bird was dead. prairie provinces, Red Fife can be depended upon it should be the main wheat sown, these earlier sorts, if used at all, being sown in relatively small made, and one of the men who came Delhi to Umballa, which bore the first quantities merely to make possible a up said that there was a raging fur- news of the outbreak. This message, somewhat earlier commencement of the mace at the bottom, and that the hiss repeated to every town which could be

mense value. They are the only suit. called to the scene. able varieties available at present for plain, a bearded wheat of similar parbe recommended.

Farmers in localities where a fair de-Fife but where it is occasionally touched rades. with frost must use their own judgment to decide, from the foregoing statements of fact, to what extent they should use these earlier wheats.

CHAS. E. SANDERSON, Cerealist Central Experimental Farm, Ottawa, March, 1908.

DRUGGING CHILDREN A SOURCE OF DANGER

When you give your child a so-called Stanley and Percy-would sell in London "soothing" medicine you are not curing at the same price as the Red Fife, but its sickness. You are merely drugging brought up another of his comrades. the Preston would command about it into temporary insensibility. Sooththree-quarters of a cent. a bushel less. ing medicines contain opiates and an Of the same varieties grown at Ottawa overdose may kill the child. When he believed the Percy and Red Fife you give your little one Baby's Own would bring equal prices and the Pres- Tablets you have the guarantee of a ton and Stanley about three-quarters government analyst that this medicine is safe. And you have the word of Milling alue.-In their conduct in the thousands of grateful mothers that this ficur mill these four wheats closely re- medicine will promptly cure all the semble Red Fife. The bran separates minor ailments of childhood. Mrs. L. readily, the proportion of middlings W. Smith, St. Giles, Que., says:-"I produced is large and the middlings have used Baby's Own Tablets for my are not unusually difficult to reduce. little girl for constipation and other This means a high yield of "patent" troubles and have found them the best fleur. The lotal yield of flour is very medicine I have ever used." Sold by good and not much "break" flour is medicine dealers or by mail at 25 cents produced. These facts are stated as a box from The Dr. Williams' Medicine The outcome of twenty milling tests of Co., Brockville, Ont.

SCENES AT A BURNING COLLIERY IN ENGLAND.

deed, as now generally grown they Splendid Heroism of Englishmen -Attempts to Rescue Burning Miners.

While twenty-two imprisoned miners formation in regard to the characteris- were desired to bring it to a very pale reasted slowly to death in the Mamtics and qualities of Preston and some shade of color. The color of the flour stead colliery, near Birmingham, comother early wheats, the following brief produced from the best selected strains rades with grandest heroism not only

DESOLATE SCENE.

A little later another attempt was made arating itself from the world. in a fainting condition.

late scene-row upon row of men, with in the market or on the street. strained, eager faces, the muscles of their mouths twitching with the long vigil and the agony of their emotions.

The men who had waited all night had to be held back almost by force, so eager were they to join in the work of rescue. There was not a miner who would not have risked his life to save those below.

"WAITING FOR DADDY."

At three o'clock, his tear-stained face us to selfishness.

Women waited all night through. DOCTORS STOOD READY.

Beginning at four o'clock in the With all due respect to the views of o'clock Friday four men went down anyone who judges by appearance only, the shaft. A code of tapping signals I am of the opinion that if their relative had been agreed upon, and the grimy qualities were clearly understood the men at the top listened intently and difference in price between pure Red called for "Silence!" as the daring quar-Fife and these other wheats on the tette were slowly lowered. The attempt London market would usually be con- was as futile as the others. They did siderably more than three-quarters of not even reach the bottom. Whilst they a cent. a bushel. It must be remember- were still fifteen yards away they gave

Fife, though consisting chiefly of that and the doctors stood ready with their phials and their instruments. The four Conclusion.—In spite of their many queer figures stepped out of the cage,

WAS RAGING FURNACE.

In those districts where Red Fife does | heard distinctly. Later in the day all | Edward Vibart, in his "Sepoy Mutiny," not usually escape frost these early available hands were set to work at the tells the story of how, to quote the juwheats (particularly Stanley, Preston pithead giving effect to a scheme for dicial commissioner of the Punjab, "the and Huron) should be tried. In many reversing the ventilation, which scheme electric telegraph saved India." cases they will no doubt prove of im- had been formed by mining experts

they recked of the rain and the cold gree of success is obtained with Red if their efforts could save their com-

THREE MEN OVERCOME.

went to his death, groping, stumbling, situated outside of the city, about a dying, in the hades of heat and smoke, mile from the gates. three other men went with him. When for nearly a quarter of a mile to the anything that night, but the next mornbottom of shaft No. 2, and brought him ing Mr. Todd, the chief, went out himto the surface.

At last he was overcome.

People were horror-stricken, and another rescue party quickly stepped into the cage, and set out in search for Welby, who had been left below. They came up at 10.30 having failed to find him, and all hope of saving his life was gone from that hour, as he had evidently wandered a long way into

the workings. DEVOTION OF MINE OFFICIALS.

The courage and devotion of the mine officials was beyond all praise. For forty hours Mr. Insley, the checkweighman, did not close his eyes, and David Ross, the surveyor, during all the terrible days of anxiety, scarcely

The Spirit of This Age Moves to Better Things.

ever and ever."-Rev. ix., 15.

Once the church set up an ideal sepseems advisable, however, in discuss- At is of the same color as from Red o'clock on the evening of March 4, Mr. aration between the worldly and the phrases setting the world and the church ing the subject, to consider at the same | Fife. The best Preston, Huron and Waterhouse, the manager of the col- unworldly, between those who were in- in opposition? Do they mean, by the time the related varieties, Stanley, Hu- Percy have also been improved, but not liery, was sent for, and immediately terested in and occupied in the affairs world, the daily interests and activities formed a rescue party. Through the of our daily lives and those who with of men, our politics, schools, workbeen originated from crosses made Baking Strength.—It has sometimes anxious crowd which surrounded the drew from these secular pursuits and shops, markets, literature, all that at the Central Experimental Farm in been suggested that a comparative bak- pit head, the eight men hurried in the gave themselves to the contemplation makes our civilization? If they do, then the year 1888 and are of essentially the ing test should be made to settle once dense smoke, but found themselves un- of heaven or to what was called the they simply are setting their faces

> separation from this world and his ab. redemption. About half-past nine a second de- real, the practical, the everyday and often it may express itself in brutal scent was made by the rescue party, commonplace, and his devotion to the and selfish forms, is but the working who succeeded this time in reaching ideal, remote, imaginary, and other out of a fundamental religious spirit, the bottom of the shaft, but could hear | worldly. The church proposed to ef- | the attempt to realize life in the light no sound from the entombed miners. fect the salvation of the world by sep- of one's highest ideals.

the smoke. At half-past one in the vailed. Theological seminaries set them- separates itself from the world. morning a final effort was made with selves off in quiet retreats, the ideal the same result, Messrs. Wright and church meetings were those where the Owbridge being drawn out of the cage moise of this busy world could not penetrate; the desirable religious life was Slowly the night passed, and the that of the recluse. One was scarcely grey light of morning showed a deso- likely to look for saintliness or piety

We still too readily charge our moral shortcomings and our personal imperfections to the taint and contact of the world, the daily interests and activities is so easy to think of

HOW GOOD WE COULD BE

were we but where the wicked cease from troubling, where there would be nothing to provoke us to wrath or lure

daily fight and through this strife of tunities, insisting on rights and duties are and no other is for us now the and the eternal light is working through workshop of character. With what the whole lump. other worlds may be and do we only remotely are concerned. The present as beyond the stars. If you cannot er in religion.

present social order is doomed; if we wasting your breath in the prayer gloomily talk of this world as the ob- meting. But believe the best and serve are all our efforts for its betterment, brighter day than we have yet dreamed how hypocritical all our talk about its shall come to be. salvation. Is there any more sure way

"The kingdoms of this world are be- 1 of making this world wholly bad than counted their own lives as naught in come the kingdoms of our Lord and steadily to assert that it is so and to ment in some cases over that made the attempt at rescue, but complained of his Christ; and he shall reign for constantly withdraw from it every power for goodness?

Just what do men mean by those against the facts of life and fighting The mark of a saint then was his the forces that are working out our

scrption in another; his disdain for the This passion for progress, though

The truth is the world always is condition. Mixtures of these wheats all the questions that naturally arise, but the rescuers were driven back by For a long time this conception pre- more religious than is the church that

FOR INSPIRATION AND UPLIFT

we may need to separate ourselves from the day's stir and strife, but for that expression of the religious life, withcut which the fires die down within; we must have the opportunities of daily living and of human service.

As men move up into higher reaches of life, as each ideal becomes the real, other and higher ideals are discerned, all life moves into fuller religious being, the world becomes more religious. This whole fabric of our social order is to-day shot through and through with the spirit of the greatest of the religious teachers of any age.

The world is caring for the needy, feeding the hungry, teaching the be-Yet what is the use of a religion that benighted, making the best of things

The inflinite is on our streets as well needs a present picty, a present pow- find religion in the counting house you will not find it in the closet; if you If we make up our minds that this cannot express it in the shop you are ject of omnipolent wrath, how foolish for the best in this world and a better,

HENRY F. COPE.

ieft the pit's mouth. Five rescue parties known, there is dittle doubt that his were headed by Mr. Waterhouse, the was murdered. manager, whose noble efforfts will not soon be forgotten by the English people. the two lads. Signs of trouble began

THE DEED OF A HERO.

A Mere Lad Was the Means of Saving | doors!" the Indian Empire.

Not all the courage of war is expendmend these four early wheats for the them were suffering severely from the ed on the battle-field. A man died late- danger; soon they became sure of it. ly in Calcutta who performed a deed When they went down they took with which contributed greatly to save the Indian Empire. At that time, in 1857, he was a mere lad, employed as an assistant in the telegraph service. His name was W. Brendish, and he sent, Another fruitless descent was soon at the risk of his life, a despatch from and crackling of the wood could be reached, proved of priceless value, Col.

It was the custom to close the telegraph offices on Sunday between the The instant the decision of the con- hours of nine and four. On May 10, as such districts, except Pringle's Cham- ference was made, fifty men flung off the operator at Delhi was about to their coats, and, seizing pick and spade, close his station, he received a message entage and character, which can also worked mightily, digging a trench for from the Mecrut office announcing an new pipes to the engine room. Little uprising in that section. At four o'clock, when the office was reopened, connections with Meerut were found to be interrupted.

The telegraph force at Delhi consisted of the chief and two young assistants, When Welby, the Yorkshire man, Brendish and Pilkington. The office was

On discovering the break in the conhe was overcome they tried to get him nections, the chief sent the two lads to the cage, but on the way back two to test the cable across the river. They They are something like, and 'twould more collapsed. The fourth man, found that they could signal to Delhi, Thorne, acted with tremendous hero- but not to Meerut, and reported the fact ism. He carried and dragged one man | on their return. It was too late to do self to investigate the line. He never Then he went down again and returned, and although his fate is un-

The office was thus left in charge of

to be evident close at hand. Brendish, slepping from the door, met a wounded ocflier, who cried out to him, "For God's sake get inside and close your The revolt crept closer and closer.

The boys felt that their lives were in But before they fled to a place of comparative safely they waited to send out to the Indian world the news of the

Brendish ticked out the message which caused Sir Edward to say:

"Look at the courage and sense of that little boy! With shot falling all round him, he stayed to manipulate the message that was the means of saving the Punjab." The Government rewarded Brendish

for his services by giving him a life pension, and the other day the old man died in the India he had helped k preserve.

AT THE DINNER TABLE.

He sat at the dinner table With a discontented frown;

The potatoes and steak were underdone And the bread was baked too brown; The pie was heavy, the pudding too sweet.

And the meat was much too fat: The soup so greasy, too, and salt. Twas hardly fit for the cat.

"I wish you could taste the bread and

I've seen my mother make; do 'you good

Just to look at a slice of her cake." Said the smiling wife: "I'll improve with age-

Just now I'm but a beginner; But your mother has come to visit us, And to-day she cooked the dinner."

Scott's Emulsion strengthens enfeebled nursing mothers by increasing their flesh and nerve force.

It provides baby with the necessary fat and mineral food for healthy growth.

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