

branches that bear on our principal industries, and hope to receive the noblest reward—that of being considered the champions of the “prime motors” who are engaged in developing the highest physical, agricultural, and commercial resources of this great country.

### Why Land Runs Out.

The primary cause of land becoming poor, and refusing to yield as good crops as when first brought into cultivation, is not far to seek. Every portion of the crop derives its nutriment from the soil. It cannot be produced from the seed per se, and, but a very small portion is derived from the atmosphere; consequently, to expect land to keep on producing crop, after crop, without some attempt to pay back what has been taken from it, must ultimately end in disappointment. The following table showing the mineral constituents, absorbed or removed from the soil by different crops, affords a practical illustration of the manner in which soils are impoverished.

	Wheat 25 bus.	Barley 40 bus.	Turnips 20 tons.	Hay 15 tons
	lbs.	lbs.	lbs.	lbs.
Potassa	29.6	17.5	47.1	38.2
Soda	3.	5.2	8.2	12.
Lime	12.9	17.	29.9	44.5
Magnesia	10.6	9.2	19.7	7.1
Oxide of Iron	2.6	2.1	7.1	.6
Phosph'ic Acid	20.6	25.8	46.3	15.1
Sulphuric Acid	10.6	2.7	13.3	9.2
Chlorine	2.	16.	3.6	4.1
Silica	118.1	129.5	247.8	78.2
Alumina	....	2.4	....	....

Total..... | 210.00 | 213.00 | 423.00 | 209.00

From this it will be seen that by giving back to the soil, what has been absorbed from it, by a certain crop, its original fertility may be maintained indefinitely. As far as the mineral constituents are involved this may be accomplished by the judicious use of a mixture of Wood-ashes, common salt, ground bones, plaster, siliceous sand and clay, in proper proportions. This may be supplemented by the addition of barn-yard manure, to ensure the nitrogenous elements, so necessary to the growth of all our food and forage plants.

We propose in each future number to

to be just as successful. Prospects are shown, to take place in the coming autumn means let us have one; it is so long since the last, that many people have forgotten it, and we know that a great many join the society with the sole object of having a periodical exhibition, at which they can show some of their productions; even with but a remote chance of obtaining a prize.

### Forester's Meeting.

Court Glassville, I. O. F. held their first annual meeting in the Caledonian Hall, on the evening of December 27th. The court though so recently established is in a very satisfactory condition, and the meeting was held for the election of officers for the coming year. We have no record of the change made in the office bearers, but believe some slight alterations have been made in the order in which the court was originally constituted.

### FOUL WEATHER.

Ever since the early snow first came down this winter, we have experienced a succession of very foul weather: almost every other day has been a stormy one. There has been no rain, no attempt at a thaw, but instead a steady continuance of snow-storms, with gales of wind. The depth of snow has seriously interfered with lumbering operations, and a diminished cut is more than probable. While we have experienced severe weather here, all over the northern hemisphere the inhabitants have also suffered from the intense cold. In England, Hungary, Austria and the central portion of Europe, many deaths have occurred from the cold, and exposure. Altogether, it is so far below a winter

to make us wish for  
“Pensive spring, a snowdrop in his hand.”  
or any other season with some approach to comfort and geniality. Yet there are people cynical enough enough to write poems disparaging summer, and eulogising such bitterly cold weather.

Prate not of the glories of summer,  
The flowers and trees,  
The song of the thrush and the blackbird,  
The murmur of bees,  
Blue skies, and the radiant sunshine.  
I care not for these.  
Nought care I for cricket or tennis,  
Or plying the oar.  
Your picnics and afternoon parties  
I value no more:  
And even flirtation by moonlight  
Is rather a bore.  
But hail to long winter evenings,  
The fire's ruddy glare,  
The sweet after-dinner sensation,  
The cosy arm-chair,  
And somebody's last shilling shocker  
To curl up the hair.  
With pipe and good store of tobacco  
All ready to hand;  
Old “blazer,” old slippers, old whisky  
(A favourite brand).  
This is somebody else's ideal  
You'll please understand!

*Note.*—This favorite medicine is put up in oval bottles holding three ounces each, with the name blown in the glass, and the name of the inventor, S. R. Campbell, in red ink across the face of the label. Beware of imitations, refuse all substitutes, and you will not be disappointed.

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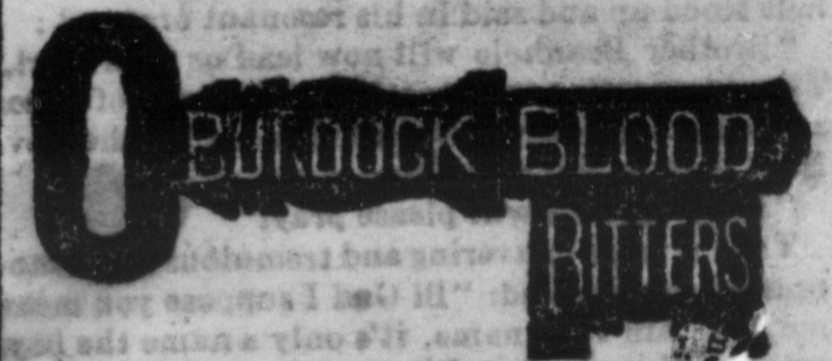
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