

He with the many thousands who enjoy Blue Ribbon Tea a happy, easy and a prosperous New Year.

Violet's Lover

The night was beautiful; the wind was soft and fragrant; the sky calm and clear, the moon shining brightly. He smiled as he asked himself why he should be unhappy.

CHAPTER VII. I am very sorry—I think it unjust that it is quite impossible to say how it is, said George Malcolm, the lawyer.

"I would not take it unless I thought it were really mine. I could refuse to touch it; but I cannot do that, for I am sure my old friend left it to me for the children."

He had placed the whole matter in the hands of a London firm, and the trial will come on about the end of September. You must prepare your defence and look up your witnesses.

"He has heard all about it, Darcy," said his wife. "You are innocent, honest, and honorable. Never mind what any one says—Heaven knows the truth, and I love you all the more that you bear this blame so well."

"I have no fear," he said, throwing back his head and laughing. "I will love me now as she has never loved me before. My only trouble is about my dear father, and what I can do to help him."

The autumn was come; the golden glory of summer had given way to it. The luxuriant trees made the woods a picture. The yellow leaves lay in dank heaps, the corn had all been cut and carried to the granaries.

The story of the discovery of radium is full of interest, and my readers may pardon me even if it is again told, for it forms the last chapter in a volume of which many have still to be written.

M. Henri Becquerel, prompted by a hint from the celebrated mathematician, M. Poincare, discovered that the compound of uranium, a somewhat rare metal, as well as the metal itself, were capable of impressing a photographic plate wrapped up in black paper, or otherwise protected from light.

This discovery has not been disclosed; but it appears that the amount of polonium obtainable is exceedingly small and difficult to separate from bismuth.

MURDER STATISTICS.

Homicides in London and Chicago—Efficiency of Police Protection. In the Metropolitan police district of London, which covers an area of 688 square miles, and contains a population of 6,500,000, there were committed last year just twenty murders.

The London Metropolitan police force is materially larger in proportion to the population and territory than the Chicago force. It has 14,476 officers and men, and its annual pay rolls amount to \$7,000,000.

It would not be fair to draw conclusions as to the efficiency of our police force from these figures alone. London murders are probably all cases of deliberate crime—murder in the first degree. The Chicago cases include, in addition, not only crime of passion but also crimes consisting of a number of deaths, which there may be some doubt. The Cook County coroner's total of murders for 1902 is only 90.

One other fact deserves to be taken into account. In London thirteen murders were tried by the courts, nine being sentenced to be hanged and four being judged insane. In Chicago there was only one hanging—that of the brute Thomas, while most of the sentences were ridiculously light.

About Radium.

owns weight, so there may be a limit to the atomic weight of an element. These elements with high atomic weights such as thorium, uranium and radium, are apparently decomposing into elements with low atomic weight; in doing so they give off heat, and also possess the curious property of radio-activity.

NOXIOUS WEEDS.

The Chief Weeds Found in Clover and Timothy.

The spread of noxious weeds can be attributed to no single cause. They seem to be naturally adapted to rapid spreading, and besides there are various natural and artificial agencies which aid in their dissemination.

Of over two hundred samples of timothy analyzed during 1903, only four had no weed seeds in them; in the others over thirty different kinds of weeds were represented.

The primary cause for this prevailing weediness is no doubt the growth of weeds with the crop for seed, and the tendency of farmers to buy improperly cleaned seeds because they are cheaper than, and for the most part, equally as nutritious as, dearer grades.

The samples were taken up by Prof. Rutherford, of Montreal, and by Mr. Frederick Soddy, who then worked in his laboratory, and they found that the "active" air were cooled with liquid air, it lost its "activity," the active portion remaining in the cold tube. On warming the tube the active portion was carried forward, and it was the discharging power.

Several samples of exported Canadian alfalfa and red clover were obtained from English seed merchants. All these showed a uniform quality, none of them free from weed seeds, but all apparently been well cleaned; as there was a notable absence of such impurities as light seed, clover, or weed seeds either larger or smaller than the bulk of the sample.

Another Mean Man Exposed—"Now," said the lawyer for the cross-petitioner, as he took the fair witness in hand, "I want you to call the court just when you first began to think your husband was treating you cruelly."