



from a sentimental girl into a woman of ready wit and noble nature. The spirit of adventure, however, is not wholly absent, for the heroine has still to be rescued from evil hands and her pursuers punished. But though the story moves as swiftly as in the earlier novels and does not lack for excitement, the main interest is of a different sort, and one likely to gain Mr. Weyman new readers without depriving him of his old following. It always increases the interest felt in a book if there is anything in it to provoke discussion. So with Sophia; her right to the heroineship has been questioned, some critics asserting that Mr. Weyman erred in not calling the novel in honor of Lady Betty, whom they believe to be the more deserving character. We advise you to read this most interesting story, and decide for yourself. Published by The Copp, Clark Company, Limited, Toronto.



As "The Trader" aims to be of practical assistance to the Retail Jewelers of Canada, it makes no charge for ordinary advertisements in this column. The subject matter of any advertisement must not exceed 50 words, and must reach us not later than the 20th of the month. In no case will answers to advertisements be permitted to be addressed to the care of this office. All advertisements intended for the Enquiry Column should be addressed to The Trader Publishing Co., Ltd., Toronto, Ont.

A SWISS UNIVERSAL LATHE (brass) has universal head, slide rest and spindle for wax chucks. Will exchange it for a small sized boat. Address Box 68, Woodstock, Ont.

A RARE CHANCE to buy a manufacturing optical business, doing a wholesale and retail optical business, in an Ontario city of great industry, profits of the business at present are 3000 dollars a year and increasing rapidly, don't write unless you are prepared to investigate at once. Address F. Tiffany, St. Catharines, Ont.

FOR SALE—Watchmaking and jewelry business in the best manufacturing town in Ontario of over 2,500 population. Good repair trade; for particulars address Box 188, Hespeler.

FOR SALE—A transit instrument in good order, made by Tronton & Sims, London, Eng.; the original cost was £42 sterling, or \$210, will be sold at a bargain. Apply to Thos. C. Johnson & Sons, 187 Barrington St., Halifax, N.S.

FOR SALE.—A first-class jewelry business where lots of money can be made and has been made. My present stock about \$500.00 usually carry \$1,800.00. A grand opening for a good man. Worthy of careful investigation. Apply now to W. H. Parker, Ailsa Craig, Ont.

FOR SALE OR EXCHANGE—One Lubin Combined Cineograph and stereopticon complete with electric and calcium lamps and eleven good films, only used two months, and is the finest instrument out; also have one hundred slides assorted, and one set of fifty slides of life of Christ (colored) will sell complete or part, or exchange for a safe, show cases, or anything. What have you? F. W. Hess, Zurich.

SITUATION WANTED by young man 18 years of age, strictly temperate, have had one year steady experience under competent watchmakers. Can do all watch and clock cleaning and some jewelry repairing. Have had a few lessons in engraving. Best of reasons given for leaving present employers, and wish to get with good man to finish my trade. Best of references given. Address, C. Elliott B., Box 80, Hepworth, Ont.

SITUATION WANTED—By an experienced watchmaker; has tools including American lathe. References furnished. Address, Box 64, Guelph, Ont.

SITUATION WANTED by a young man; age 22; strictly temperate, with 5 years' experience at watch, clock and jewelry repairing. I have my own tools, including a Rivet Lathe, can furnish references as to ability and character. Address Box 132 Renfrew, Ont.

WANTED—Situation by young man with six years' practical experience; first-class workman. Best of references; full kit of tools. Apply Watchmaker, 308 Bathurst St., Toronto.

WATCHMAKER WANTED.—Must be a good salesman and capable of taking charge of watch repairing department. Must be temperate, single man preferred. Apply to A. Ross & Co., Port Arthur, Ont.

WANTED.—A young man with from two to five years' experience at watch, clock and jewelry repairing. First class references required, state experience and salary expected. Keetch Bros., Box 276, Sudbury, Ont.

WANTED—A young man, about 19 or 20 years of age with about two years' experience at watch and jewelry repairing. Must have his own tools, and one who is not looking for so much wages. Apply to Herman Urstadt, Waterloo, Ont.

WANTED.—A situation by a first-class watchmaker (10) ten years' practical experience, also good knowledge of jewelry repairing and engraving, full set of tools. Steady work more an object than wages. Address, Watchmaker, 193 Bank St., Ottawa.

WANTED.—A young man of three or four years' experience at watches, clocks and jewelry repairing. Man having the knowledge of optics preferred. Must also be a good salesman. First-class references required. Apply stating wages expected. J. E. Nettleton, Penetang, Ont.



PICKLE FOR BRONZES.—Sulphuric acid, 1,000 grammes; nitric acid, 500 grammes; soot, 10 grammes; sea salt, 5 grammes.

TO GIVE JEWELRY A HANDSOME COLOR.—Sea salt, 100 grammes; sal-ammoniac, 50 grammes; alum, 50 grammes; brass, burnt and reduced to powder, 50 grammes; saltpetre, 27 grammes. Reduce the whole to powder and make a paste of it by stirring with strong vinegar; apply to the object until the coat is dark, and then dip in water lightly acidulated with sulphuric acid.

ENGRAVING ON COPPER OR ZINC BY MEANS OF ACIDS. First of all the plate must be well polished either with emery or with fine pumice stone, and after it has been dried with care, spread thereon a varnish composed of equal parts of yellow wax and essence of turpentine. The solution of the wax in the essence is accomplished in the cold; next a little oil of turpentine and some lampblack are added. This varnish, after having been applied, is allowed to dry, away from dust and humidity. When dry, trace with a very fine point the desired designs. Now make a border with modeling wax, so as to prevent the acid from running off. Pour on hydrochloric acid diluted with water if the plate is zinc, or nitric if the plate is of copper; allow the acid to act according to the desired depth of the engraving; wash several times and remove the varnish by heating the plate lightly. Wash with essence of turpentine and dry well in sawdust or in the stove. **Engraving in Relief**.—For this style of work proceed as above described with this difference: The designs which are to be in relief are traced before the engraving on the plate with the resist varnish instead of covering the plate entirely with it. These designs must be delicately executed and without laps, as the acid eats away all the parts not protected by the varnish.