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1811 Surveying Book Robert Gibson

Item number: 3231923615

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Seller information

[urbanna](#) ([1947](#) ★)

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Description [\(revised\)](#)

1811 Surveying Book Robert Gibson

Description



This is probably one of the oldest books that I have come across in recent memory. It is titled: The Theory and Practice of Surveying. It was authored by Robert Gibson and published by Evert Duyckinck in New York, 1811. It has full leather boards and measures approx. 6" by 9" in size. It has 324 pages of text and an extra 184 pages of mathematical tables and 13 separate geometric fold outs in the rear. The contents cover the basic topics of surveying, the math, the chain & Theodolite and the methods of surveying, etc. It is very informative and a great look back at our early heritage. The condition is good for its age. The front board has cracked some at the top of the spine. The pages have darkened from age and it has some foxing. The spine is strong and all pages are tight to it. No tears or damage. I give it a 7+. Please judge it for yourself. Add it to your collection, NR, as-is. Feel free to email me any questions. Be sure to view all of our other auctions for more.





THE
THEORY AND PRACTICE
OF
SURVEYING;

CONTAINING

*All the Instructions requisite for the skilful practice
of this Art.*

BY ROBERT GIBSON.

ILLUSTRATED BY COPPER-PLATES.

BY D. P. ADAMS,
TEACHER OF THE MATHEMATICS.

NEW-YORK:

PUBLISHED BY EVERT DUYCKINCK,
NO. 110 PEARL-STREET.

George Long, printer.

1811.

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THE
THEORY AND PRACTICE
OF
SURVEYING.

THE word Surveying, in the Mathematics, signifies the art of measuring land, and of delineating its boundaries on a map.

The Surveyor, in the practice of this art, directs his attention, at first, to the tracing and measuring of lines; secondly, to the position of these lines in respect to each other, or the angles formed by them; thirdly, to the plan, or representation of the field or tract, which he surveys; and

THE

THEODOLITE.

THIS instrument is a circle, commonly of brass, of ten or twelve inches in diameter, whose limb is divided into 360 degrees, and those again are subdivided into smaller parts, as the magnitude of it will admit ; sometimes by equal divisions, and sometimes by diagonals, drawn from one concentric circle of the limb to another.

In the middle is fixed a circumferentor, with a needle ; but this is of little or no use, except in finding a meridian line, or the proper situation of the land.

Containing a Particular Description of the several Instruments used in Surveying, with their respective Uses.

THE CHAIN.

THE stationary distance, or merings of ground are measured either by Gunter's chain of poles or perches, which consists of 100 links, (this is the most natural division) or by one of links, which contains two poles or perches, because the length of a perch differs in different places, therefore the length of chains and their respective links will differ also.

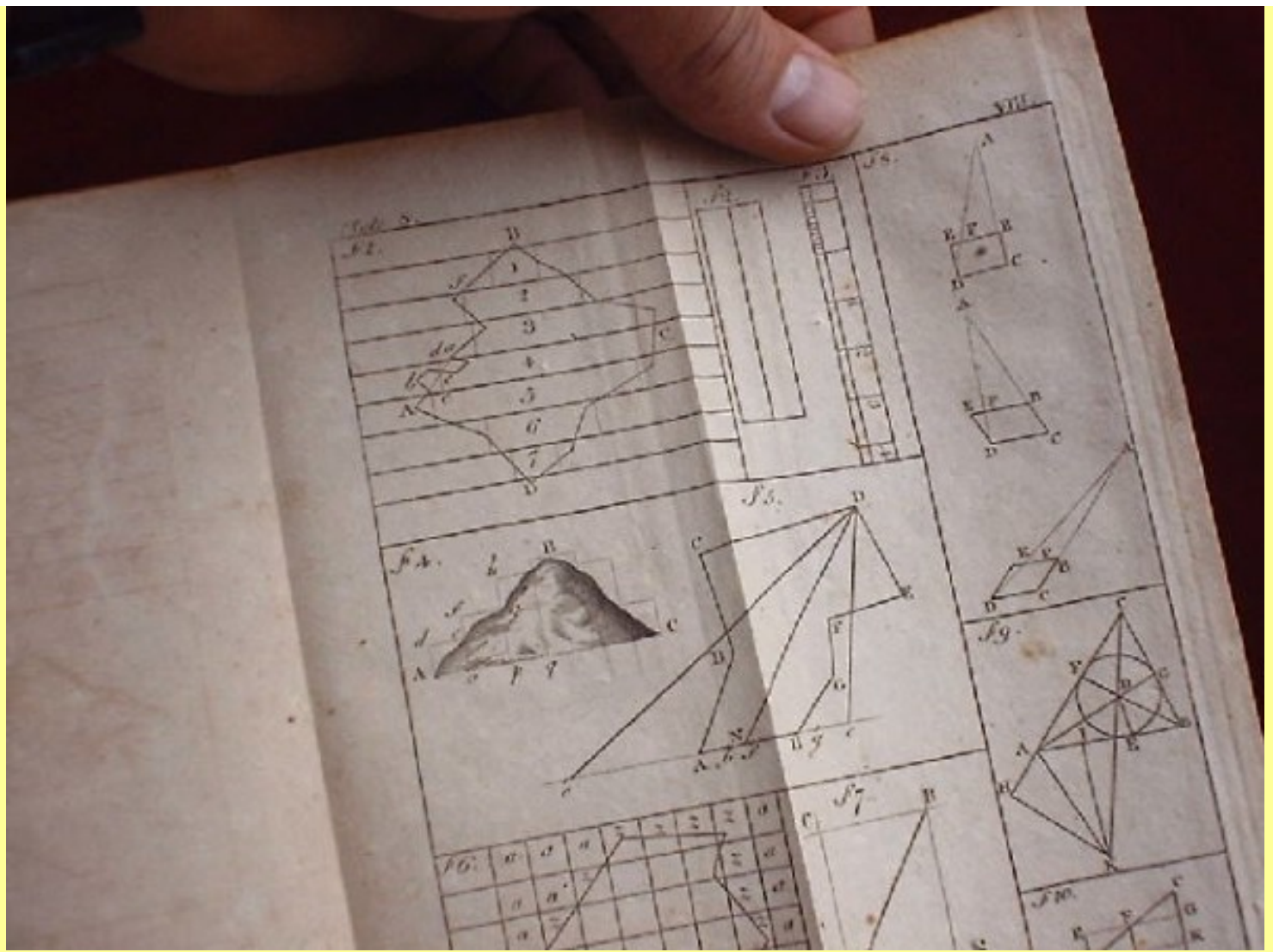
The English statute-perch is 5½ yards, the pole chain is 11 yards, and the four-pole or

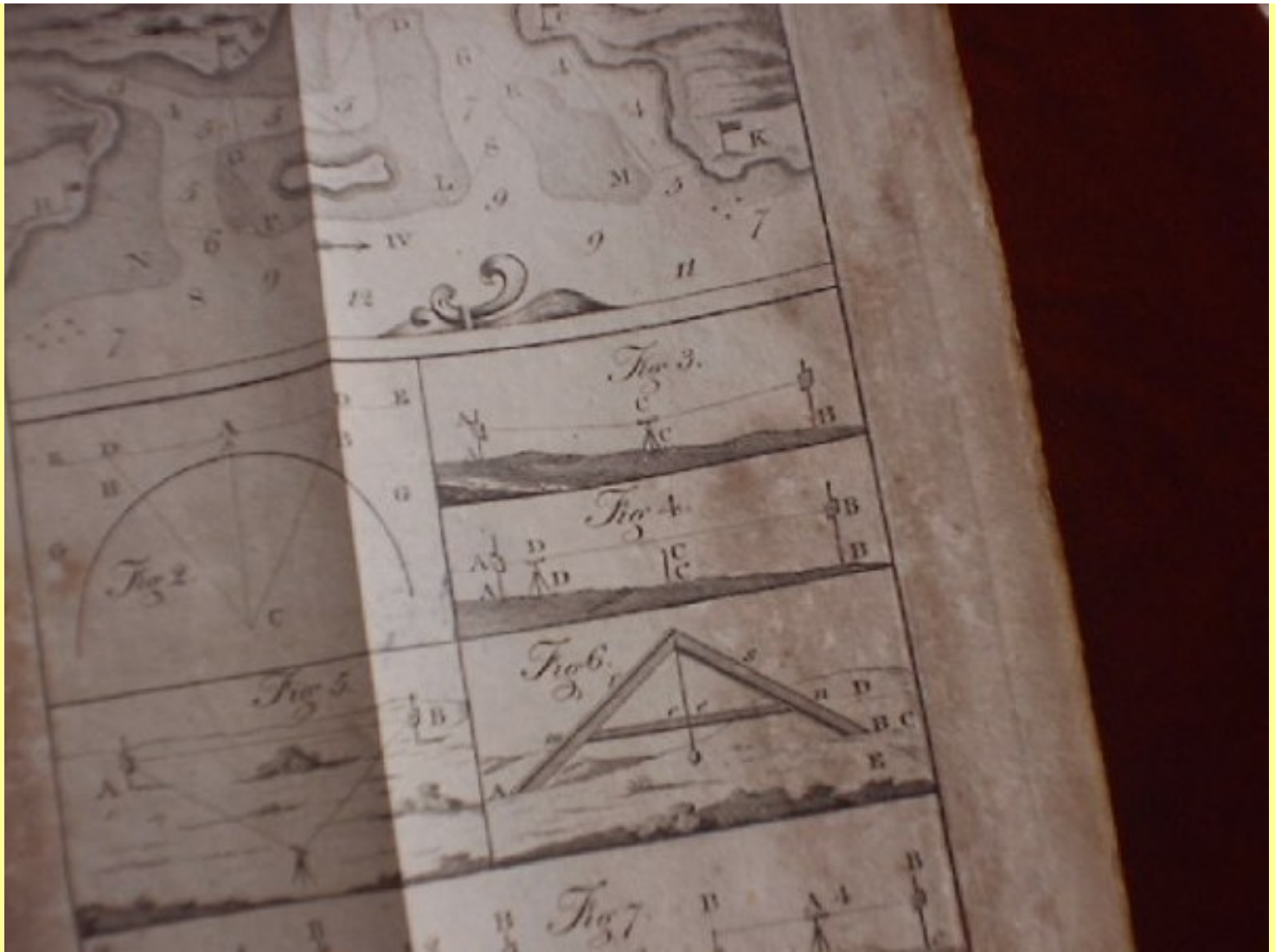
piece, 2 on the leading there which has the ries the hind ber of links 8, next to that distance 10 may be which has of links is

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The su measured rings are its length be too ci

In me object of measures





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Insurance Rate	See Item Description
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