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PLAT BOOK ARRANGEMENT

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Fig. 1.

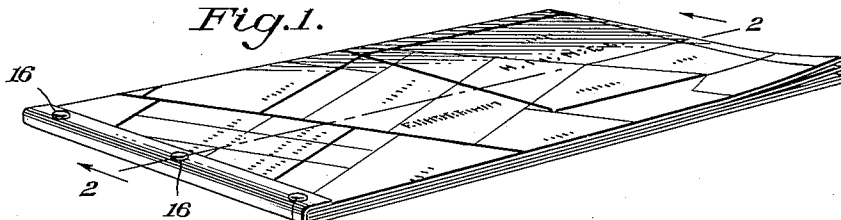
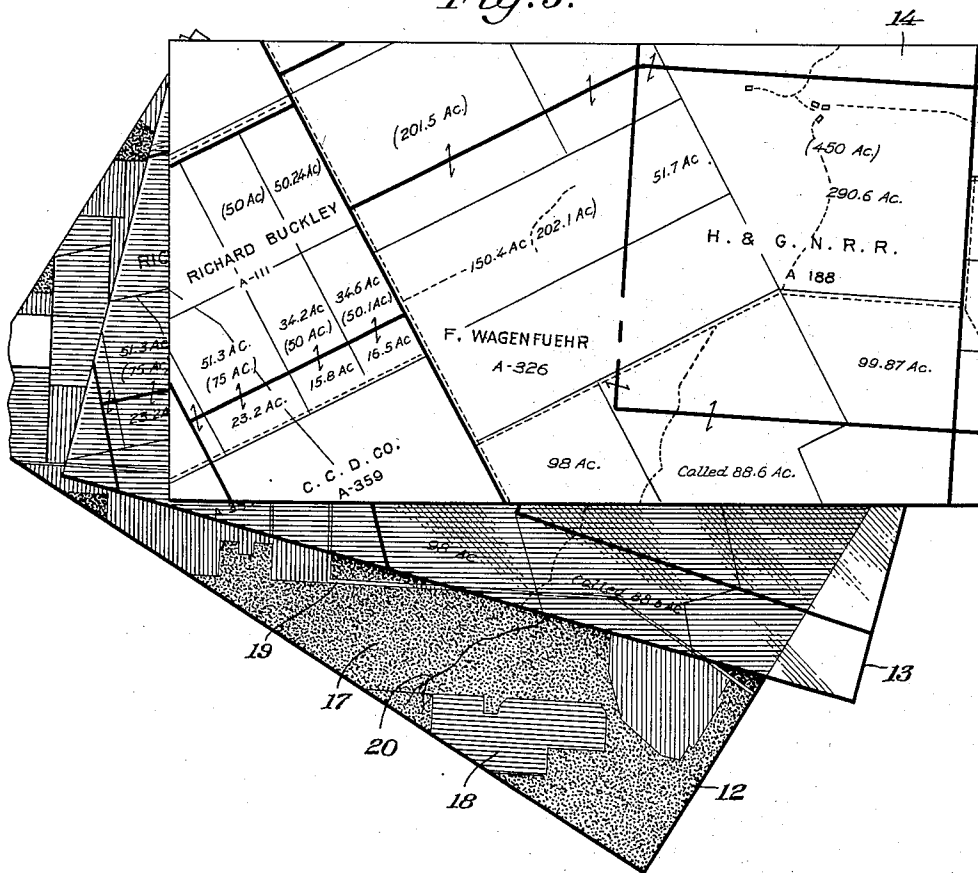


Fig. 2.



Fig. 3.



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PLAT BOOK ARRANGEMENT

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5 Claims. (Cl. 35-40)

My invention relates to new and useful improvements in maps.

An important object of my invention is to provide a map arrangement by means of which the topographical features and legal records of a given region may be simultaneously graphically and pictorially portrayed, whereby the geographical features and certain desired technical informations concerning the features may be brought into intimate association to permit the observer of the map to more readily and realistically ascertain the true nature of the region.

Another object of my invention is to provide a map of the above-mentioned character which will show everything of legal record and every physical characteristic as it actually exists upon the land, such as the portion of the land in cultivation or covered by forest growth, the actual location of fences, houses, roads, and like informations.

Other objects and advantages of my invention, will be apparent during the course of the following description.

In the drawing, forming a part of this specification, and wherein like numerals are employed to designate like parts throughout the same,

Figure 1 is a perspective view of a folder containing a set of maps embodying my invention,

Figure 1 is a longitudinal sectional view taken on the line 2-2 of Figure 1, and

Figure 3 is a top plan view of the individual sheets comprising the map.

In the accompanying drawing, wherein for the purpose of illustration, is shown a preferred embodiment of my invention, the numeral 10 designates a folder embodying my invention, which folder includes a backing or supporting strip 11 and individual sheets of maps 12, 13 and 14. The backing strip 11 and each of the sheets 12, 13 and 14 are arranged in superimposed relation in the order named, each of the sheets and the strip being of equal width and the strip 11 being slightly longer than the sheets. The projecting end 15 of the strip is folded over the adjacent ends of the sheets, as illustrated in Figures 1 and 2, and a plurality of spaced fasteners 16 extend through the turned edge of the strip, through the intervening marginal edges of the sheets and through the underlying portion of the strip to securely bind the same in proper association with each other.

The above-described pamphlet or booklet merely represents an embodiment or one form in which the sheets may be assembled. Obviously, there are many ways in which they could be as-

sembled to achieve the above result. The essential point is, however, that the sheets be maintained in the proper order, i. e. the sheet 12 on the bottom, the sheet 13 lying on the sheet 12 and the sheet 14 lying on the sheet 13. The crux of the invention resides in the representations on each of the sheets and in their association and correlation with each other rather than in the particular manner in which they are assembled and held in such relation.

The backing strip may be of any suitable material which is relatively stiff and which will hold the flexible sheets flatly supported thereon.

The lowermost sheet 12 comprises an aerial photograph of any given region or section of land which photograph is preferably taken in conformity with present uniform standards. Each area or region would thus be prepared in units or grids of seven and one-half minutes of longitude and latitude to facilitate the proper association of the superjacent sheets 13 and 14 therewith. As illustrated in Figure 3, the aerial photograph clearly indicates the topography of the region being photographed. Such physical characteristics as wooded areas 17, cleared fields 18, roadways 19, creeks 20, and the like, being clearly and vividly portrayed.

The sheet 13 superimposed on sheet 12 is transparent and may comprise a film transparency or any suitable material possessing similar properties and characteristics. This sheet is delineated to depict legal records such as original fees, grant and surveyed notes, the names of the owners of the respective fees and grants, the number of acres contained by each fee or grant and such other information of this nature as may be clearly and effectively shown. Such man made conveniences as highways, railroads, fences, pipe lines, and the like, may also be conveniently shown on the transparency and these lines are uniquely associated and correlated with their pictorial representation on the sheet 12 so that the lines will exactly coincide with their pictorial duplicates on the photograph.

The sheet number 14 comprises an index map which is similarly divided into seven and one-half minute units or grids and this map contains such information as is generally embodied in a drawing or map of this nature. The fact that the sheet 14 is disposed in covering relation to sheets 13 and 12 makes the same assume the character of a frontispiece and therefore comprises the sheet which will first meet the eye of a person using the pamphlet or binder. The sheet 14 contains most of the information portrayed

by the combined sheets 12 and 13, however, it is assembled in proper index map form in a manner to be more advantageously used by persons skilled in the art of map making and reading. The subjacent sheets 12 and 13, when used in conjunction with each other, best convey to the layman the information desired and best represent a composite graphic and pictorial depiction of the information.

Each sheet 12 is preferably made from a film transparency or positive and the sheet 14 may comprise a blue line cloth print, or the like, made from the same negative as the transparency. Such a procedure, if followed, insures the making of the sheets to the same scale and greatly facilitates the making of the maps as accurately as possible. If the present arrangement of the pamphlet is used, the observer may glance at the topmost sheet 14 to obtain such informations as pertains to the size and location of the grants or fees, the holders of the grants and fees, the acreage contained thereby, and the location of roads, houses, creeks and the like; however, if the top sheet is folded back to expose the sheets 13 and 12 both a graphic and a pictorial representation of the region will be presented. The observer is then able to at once vividly ascertain the combined physical characteristics of the region as well as the legal records and data contained by the first and second sheets 13 and 14. For instance, the proportional amount of the land which is wooded or cleared and the approximate acreage of the cleared or wooded sections within each of the fees or grants is clearly visible and immediately ascertainable.

The present system of mapping a particular region is particularly useful and valuable to city, county or state officials. If the entire county or state is photographed uniformly, the transparency may be made from the existing legal records, and discrepancies or inaccuracies in the records will be immediately apparent by reason of the fact that the lines on the transparency representing roads, etc., will not coincide with the actual picture of the same disposed therebeneath.

In sections where companies or corporations lease large tracts of lands for conducting drilling or mining operations it will be possible, by using the above-described map system, to immediately ascertain discrepancies if they exist. The actual location of the mines and wells as they appear on the photograph may be easily checked against the legal conveyance or grant as indicated on the transparent sheet 13 whereby innumerable difficulties and arguments resulting from inaccuracies in the records will be avoided.

It may thus be seen that the present map arrangement not only permits both the physical and legal characteristics to be immediately ascertained but it permits inaccuracies in the legal record to be immediately ascertained and corrected. It is to be understood that the form of my invention, herewith shown and described, is to be taken as a preferred example of the same, and various changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of my invention, or scope of the appended claims.

Having thus described my invention, I claim:

1. A plat book comprising a plurality of superimposed sheets, one of said sheets having a topographic photograph on its upper surface, and another of said sheets being transparent and having lines thereon depicting survey data,

whereby the technical survey data on the second sheet may be accurately checked against the actual photograph of the area to make discrepancies, if any, in the said data immediately ascertainable.

2. A plat book comprising a plurality of superimposed sheets, one of said sheets having a topographic photograph on its upper surface, and another of said sheets being transparent and having lines thereon depicting survey data and the grants and fees into which the land illustrated in the photograph is divided, the delineations on the said second sheet being scaled to coincide with the corresponding features portrayed in the photographs whereby discrepancies, if any, in the data contained by the said second sheet will be readily ascertainable by reason of the failure of certain of the lines thereon to coincide with the corresponding portions of the photograph.

3. A plat book comprising a plurality of superimposed sheets, one of said sheets having a topographic photograph on its upper surface, another of said sheets being transparent and having lines thereon depicting survey data and the grants and fees into which the land illustrated in the photograph is divided, the delineations on the said second sheet being suitably scaled to coincide with the corresponding features portrayed in the photograph, whereby discrepancies, if any, in the data contained by the said second sheet will be readily ascertainable by reason of the failure of certain of the lines thereon to coincide with the corresponding portions of the photograph, and yet another of said sheets comprising a scale drawing depicting graphically the informations contained pictorially and delineatorially by the first-mentioned sheets.

4. A plat book comprising a plurality of superimposed sheets, one of said sheets having a topographic photograph on its upper surface, another of said sheets being transparent and having lines thereon depicting graphically information relating to the topography in the photograph, the delineations on the second sheet being suitably scaled to coincide with the pictorial representations on the photograph whereby the legal and physical characteristics of the land may be clearly and vividly ascertained at a glance and whereby discrepancies, if any, in the data contained by the said second sheet will be readily ascertainable by reason of the failure of certain of the lines thereon to coincide with the corresponding portions of the photograph.

5. A plat book comprising a plurality of superimposed sheets, one of said sheets forming a basic sheet and having a topographic photograph on its top surface, and the sheet overlying the said basic sheet being a film transparency and having lines thereon depicting certain informations relating to the area portrayed by the photograph such as the original fees, grant and survey notes, railroads, highways, trails, pipe lines, etc., said delineations being suitably scaled to coincide with the pictorial representations on the basic sheet whereby the legal and physical characteristics or discrepancies of the land and records may be clearly and vividly ascertained at a glance and whereby discrepancies, if any, in the data contained by the said second sheet will be readily ascertainable by reason of the failure of certain of the lines thereon to coincide with the corresponding portions of the photograph.

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