FOREST SERVICE ATLAS,
STATISTICS,
1907.



7.73

FOREST SERVICE
Gunnison Fational Forest
Gunnison, Colorado.

OCT 2 1909
RECEIVED

Answered.....

- 2



# UNITED STATES DEPARTMENT OF AGRICULTURE FOREST SERVICE GIFFORD PINCHOT, FORESTER

## FOREST SERVICE ATLAS

# EXTRACTS FROM THE STATISTICAL VOLUME OF THE FOREST ATLAS FOR THE FISCAL YEAR 1907



COMPILED BY THE OFFICE OF GEOGRAPHY

 $W\,A\,S\,H\,I\,N\,G\,T\,O\,N$  engraved and printed by the u. s. geological survey  $1\,9\,0\,8$ 



#### LETTER OF TRANSMITTAL

U. S. DEPARTMENT OF AGRICULTURE,
FOREST SERVICE,
Washington, D. C., June 15, 1908.

SIR: I have the honor to transmit herewith extracts selected from the statistical volume of the Forest Atlas for 1907, and to recommend their publication.

Respectfully,

GIFFORD PINCHOT,
Forester.

Hon. James Wilson,
Secretary of Agriculture.

#### **EXPLANATORY**

The following pages show selected extracts from the statistical volume of the Forest Atlas for the fiscal year ended June 30, 1907. A manuscript volume is compiled each year by the Office of Geography, and the facts set forth constitute an official reference record of the work of the Forest Service for the fiscal year. In order to make the Atlas more valuable as a work of reference, there is included, in addition to the Forest Service reports, information on various other subjects related to forestry, which is taken from official and authentic sources.

Since many members of the Forest Service have no opportunity to consult the original volumes, these pages are reproduced for their information and convenience. On the diagrammatic maps each National Forest is represented by a square, proportionate to its area, which is placed as near as possible to the actual geographic location of the Forest. The exact location of the squares, however, is of only secondary importance, because the principal purpose of the diagrams is to indicate the proportionate areas, conditions, and transactions upon the Forests in a direct and graphic manner.

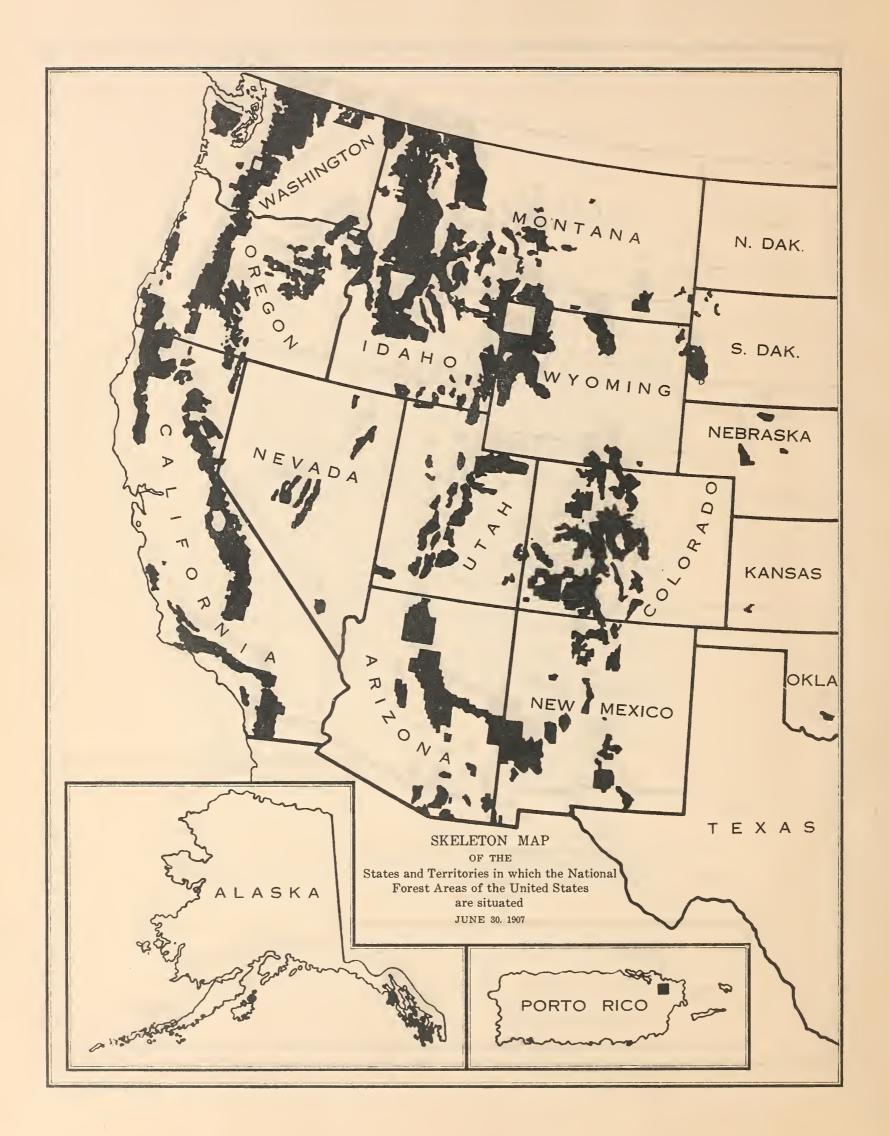
The information presented is thought to be of interest not only to the members of the Service but to the users of the National Forests as well. This Atlas is not designed for general circulation, but a limited number of copies will be reserved for distribution among libraries, educational institutions, and associations devoted to the interests of forestry or to the conservation of other natural resources.

FRED G. PLUMMER.

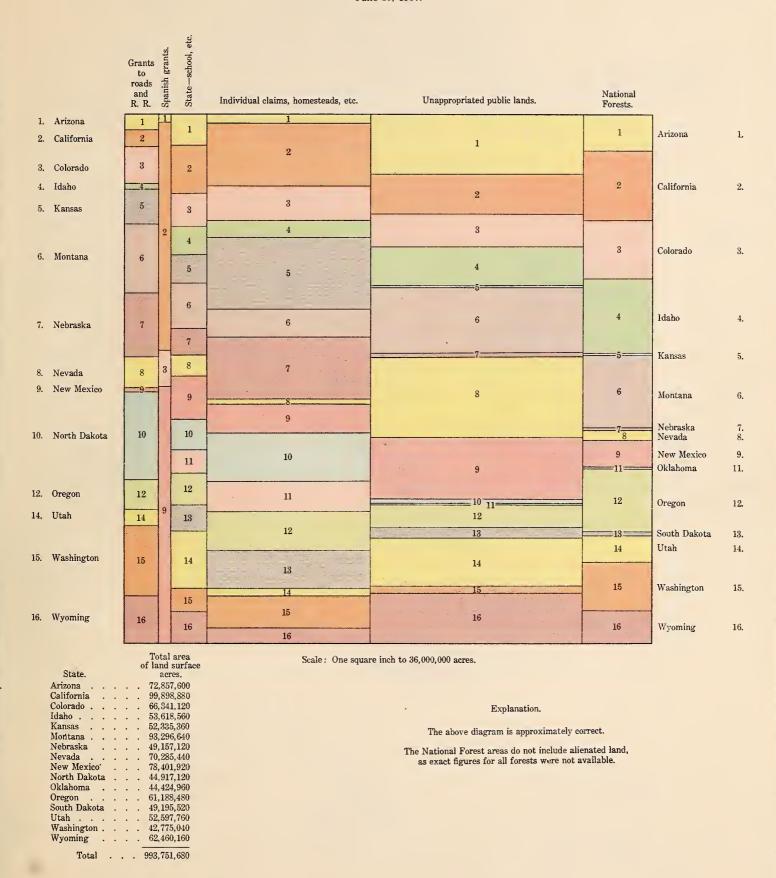
Geographer.

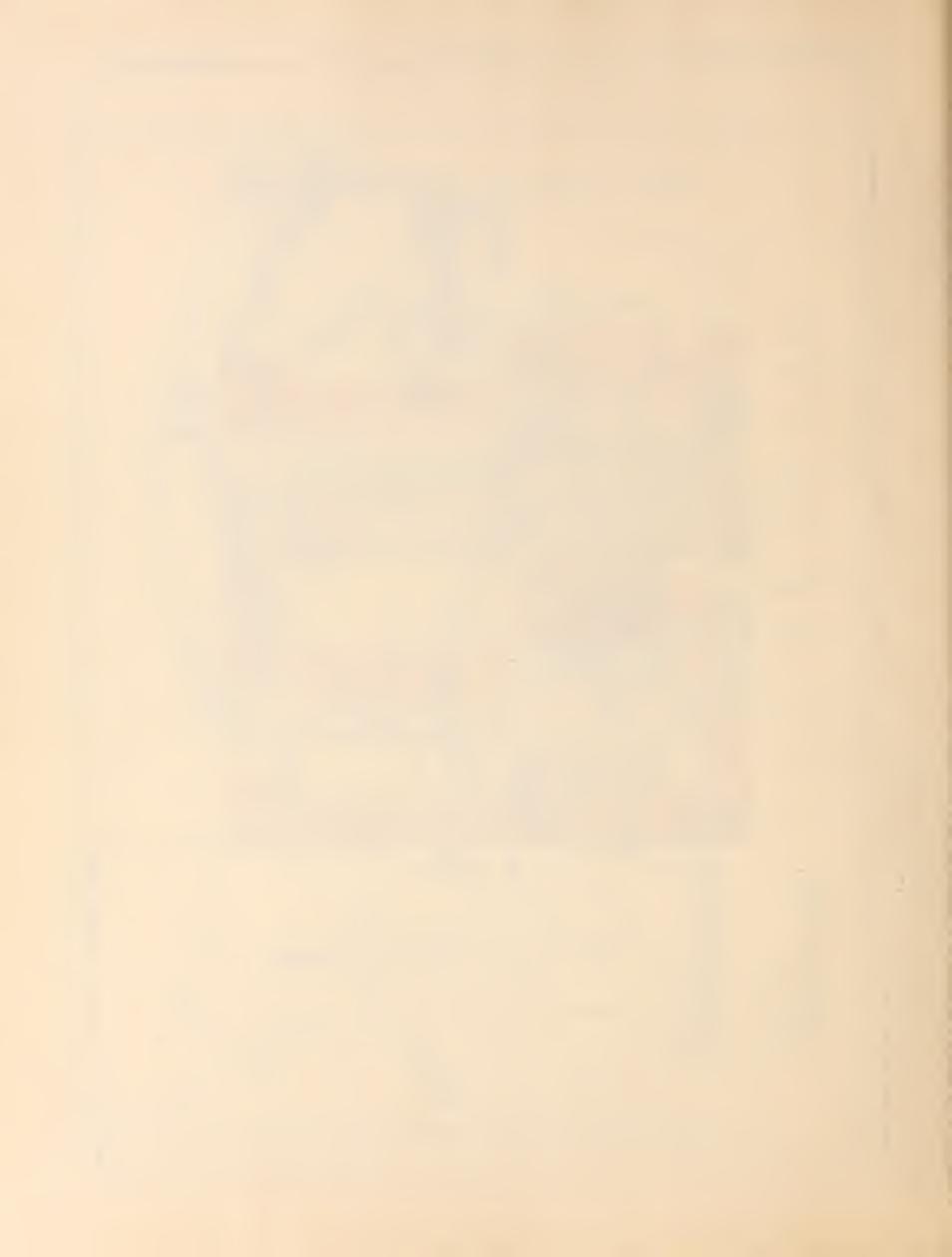
#### LIST OF MAPS, DIAGRAMS, AND TABLES

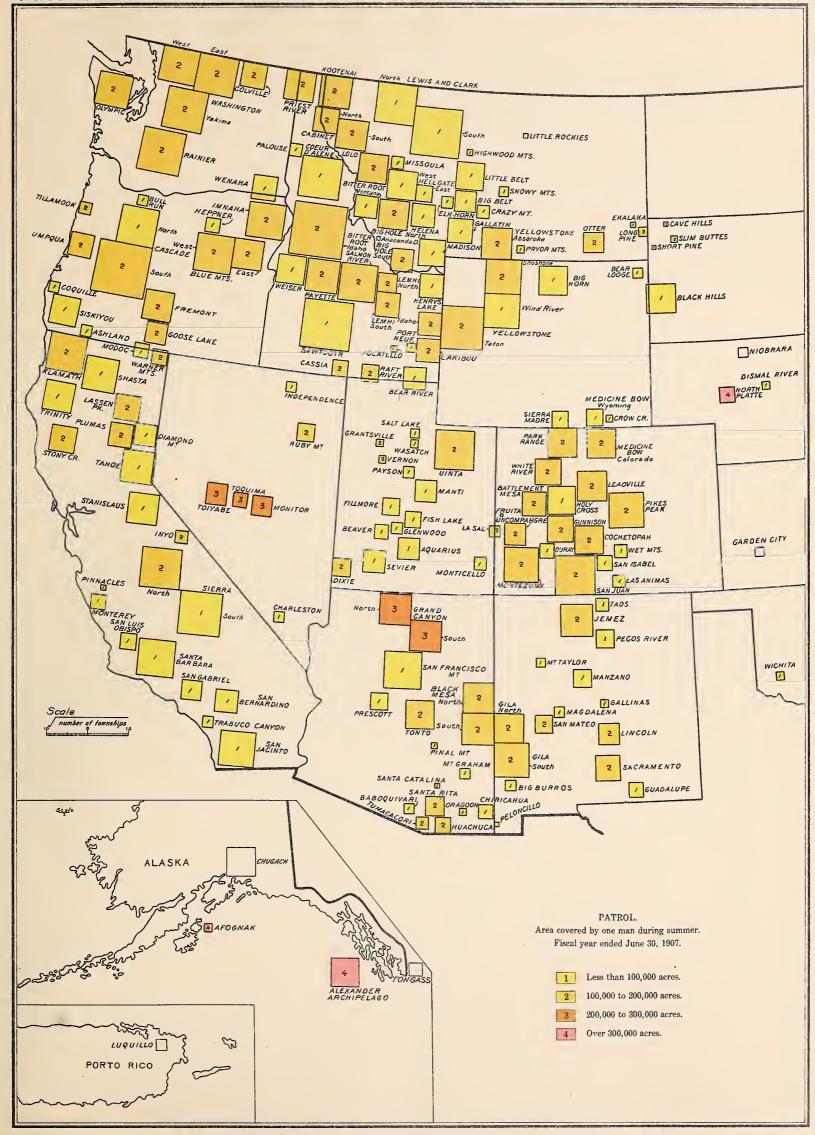
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Area covered by one man during winter	
Cost per acre	
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Free use permits, number of	
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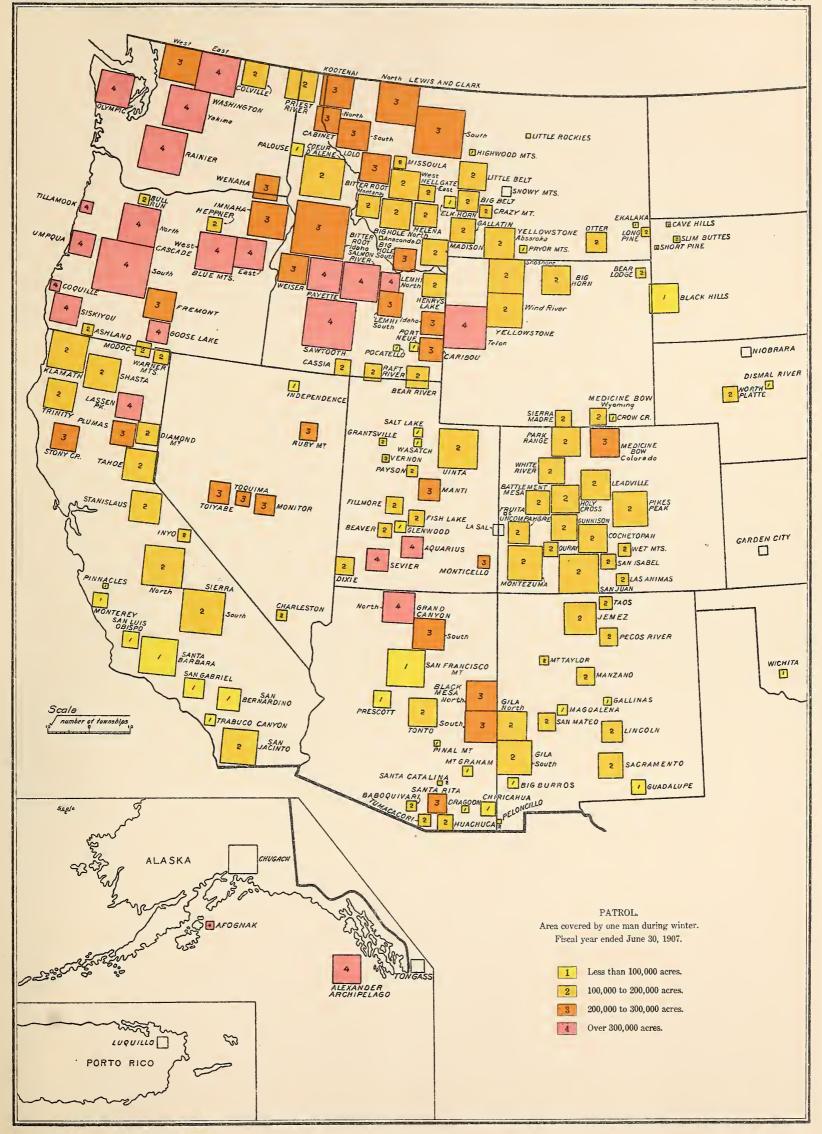
### DISPOSAL OF LANDS IN THE SIXTEEN WESTERN STATES. June 30, 1907.



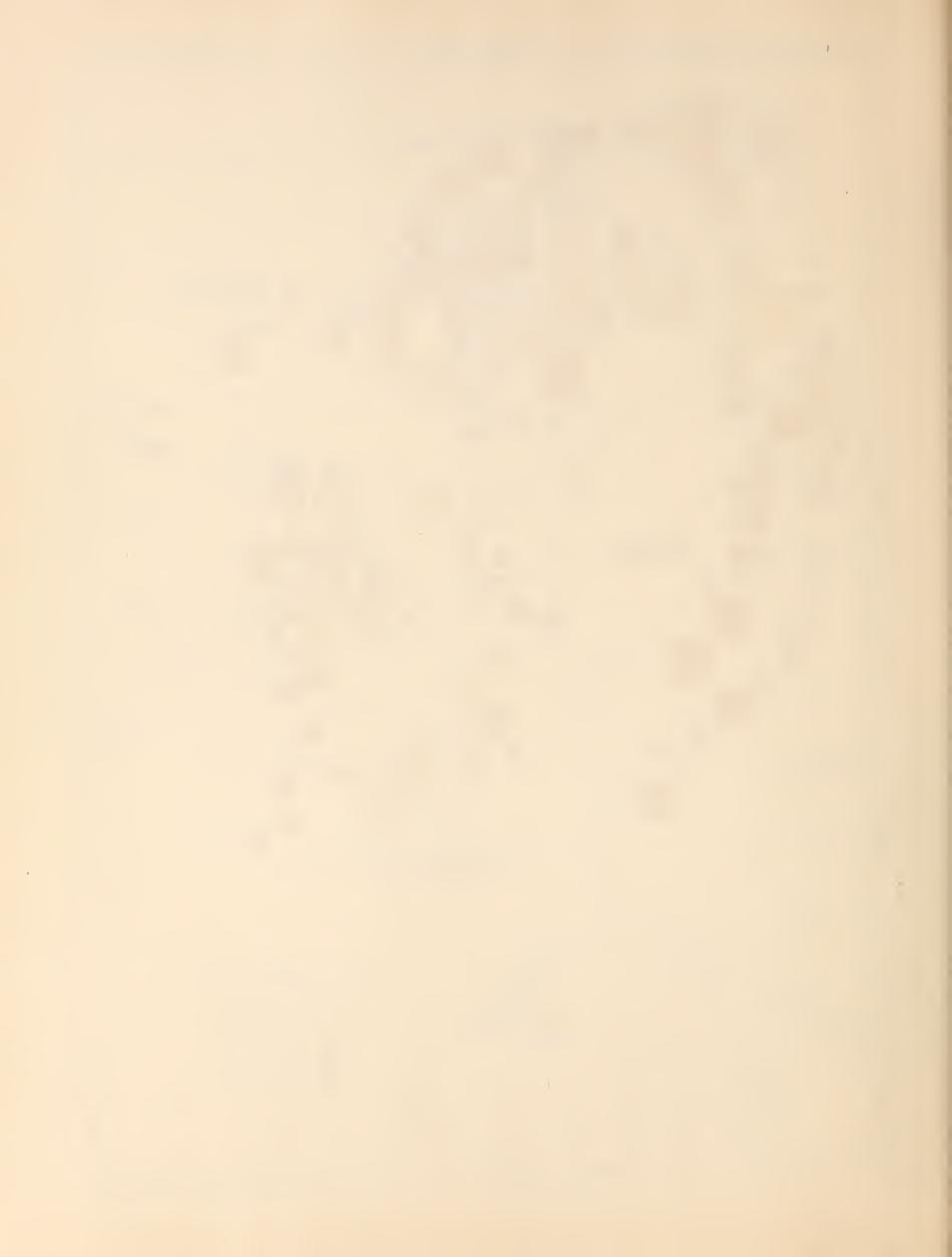


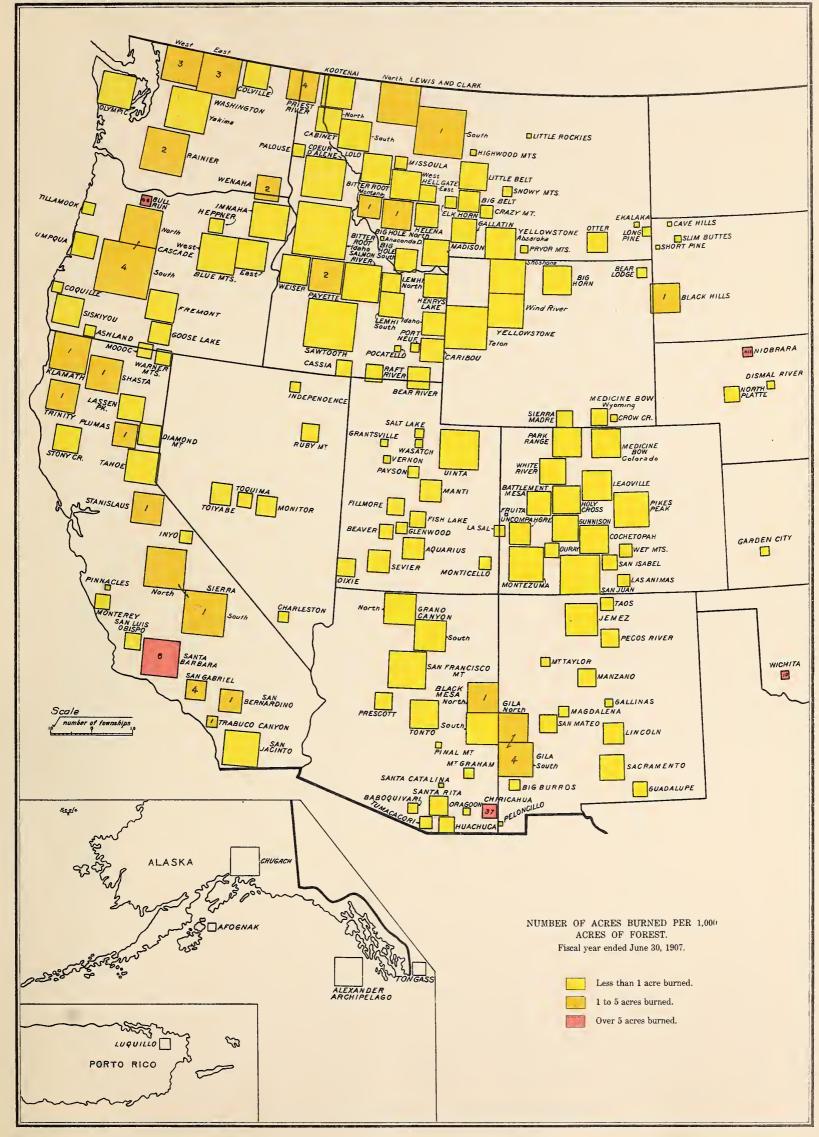


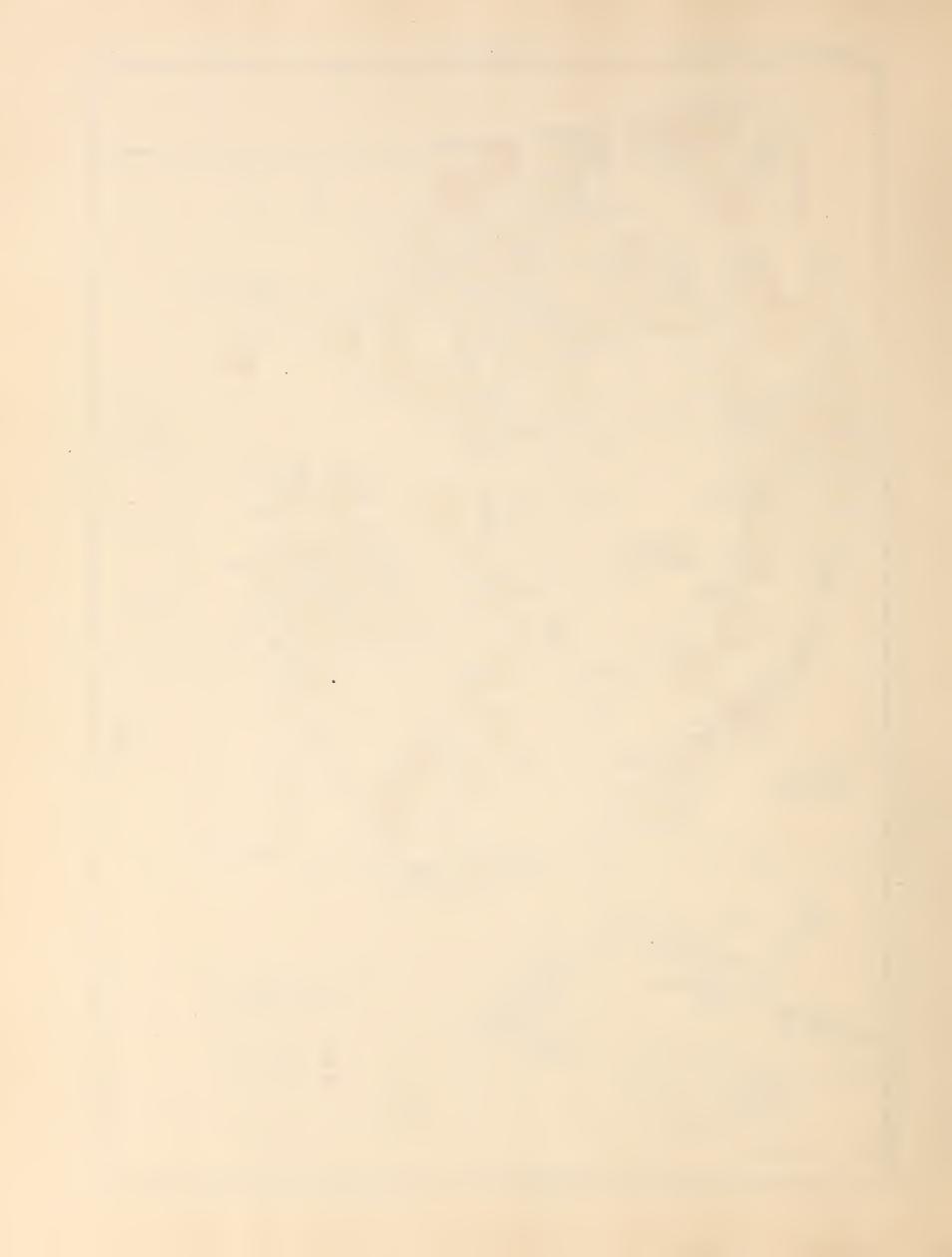












#### COMMUNICATION.

State and Forest.	Roads.			Railw	ays.	Trails.		Tele-	Telephone lines.	
	County.	Private.	Govern- ment.	Standard gauge,	Narrow gauge or tram.	Private.	Govern- ment.	graph lines.	Private or corporate.	Govern ment.
ALASKA:										
Afognak										
Alexander Archipelago			3		5	7			17	
Chugach							27	27		
Tongass			1							
ARIZONA:										
Baboquivari	J i					1			ł	
Black Mesa (N)	(		)		1	1			15	
Black Mesa (S)					Į.					
Chiricahua	4	14				35	15		6	
Dragoon										
Grand Canyon (N)			40				125			
Grand Canyon (S)	1	10	5	25		14	]		6	
Huachuca	1									
Mount Graham						1			4	
Pinal Mountains		2			1				_	
Prescott		65		41	$\frac{5\frac{1}{2}}{}$	30			$153\frac{1}{2}$	
San Francisco Mountains.		10		a35		15			20	
Santa Catalina	2						15			
Santa Rita		3		4		3		4	12	
Tonto	10	$4\frac{1}{2}$					125	\		
Tumacacori										
								1		
ALIFORNIA:										
Diamond Mountain				3	1/2		12		1	
Inyo					84					
Klamath	15	10				4.0	<sup>b</sup> 250		33	
Lassen Peak	5	4				3			6	
Modoc										
Monterey			   <b></b>				91			
Pinnacles							3			
Plumas		70		65		45	27		66	
San Benito										
San Bernardino		40				25	51		40	
San Gabriel		8				50	50		30	7
San Jacinto	7	16					25		30	
San Luis Obispo			1				30			
Santa Barbara		100				50	1000		10	
Shasta	3	10			2	25	27	100	44	(
Sierra (N)		83	16	2	8		30		45	
Sierra (S)		40	6			55	65		52	9
		15				1				
Sierra (E)				P*1	4				10	
Stanislaus	1	71/2		71/2	1	9	8		51	
Stony Creek		5			i					
Tahoe		1			1					
Trabuco Canyon							12			
Trinity		10				20	75		27	
Warner Mountains	8	4							20	
OLOBA DOL										
OLORADO:	1.1	60	00	41			100	41	15	
Battlement Mesa		60	63	41/2				41/2	15	
Cochetopa		31/8		,					24	
Fruita										
Gunnison	5	15	7	· · · · · · · · · · · · · · · · · · ·		13	72	30	8	
Holy Cross	20	35			1				6	
11019 01000111111111111						1				
La Sal		6				1			1	



#### COMMUNICATION—Continued.

State and Forest.	Roads.			Railways.		Trails.		Tele-	Telephone lines.	
	County.	Private.	Govern- ment.	Standard gauge.	Narrow gauge or tram.	Private.	Govern- ment.	graph llnes.	Private or corporate.	Govern- ment.
COLORADO - Continued:										
Las Animas										
Leadville										
Medicine Bow (Colo. Div.)		6					25			
Montezuma	43	$21\frac{1}{2}$			21	91	14		19	
Ouray			 							
Park Range		35					5		15	
Pikes Peak	851	138	a14	41	6	25	35	48	85	
San Isabel		21	5			9	69			
San Juan	34	474				8	9		27	
Uncompangre		13	1							
Wet Mountains	27	10				23	48			
White River	60	100				250	50		10	
									10	
IDAHO:										
Bear River						t				
Big Hole (S)										
Bitter Root	<b>{</b>					50	300		56	
Cabinet (S)		5				10		,		
Caribou										
Cassia		50	10							
Coeur d'Alene										
Henrys Lake				18						
Kootenai							24			
Lemhi (N)					 					
Lemhi (S)								1		
Palouse							1			
Payette										
Pocatello			1				1			
Port Neuf		5		1	,			1		
		55	ł				15		1	
Priest River										
Raft River		36				l .		1		
Salmon River						1			i	
Sawtooth		2							20	
Weiser						5	1	3	6	
Yellowstone (Idaho Div.)										
KANSAS:										
Garden City										
MINNESOTA:				10						
Minnesota				12					• • • • • • • • •	
MONTANA:										
Big Belt		1		5						
Big Hole (Ana. Div.)		10			1	30	5		 	
	1		(	1						
, ,	1									
Bitter Root (Mont. Div.)				1				1		
Cabinet (N)						1				
Cabinet (S) (See Idaho)										
Crazy Mountains							24			
Ekalaka									ĺ	
Elkhorn						1		1		1
Gallatin										
						1	1	l		
Helena				8				l .		
Hell Gate (E)	7	30				50	6			14



#### COMMUNICATION—Continued.

State and Forest.	Roads.			Railways.		Tr	ails.	Tele-	Telephone lines.	
	County.	Private.	Govern- ment.	Standard gauge.	Narrow gauge or tram.	Private.	Govern ment.	graph lines.	Private or corporate.	Govern- ment.
MONTANA—Continued:										
Hell Gate (W)										
Highwood Mountains	7	12				9				
Kootenai (See Idaho)										
Lewis and Clark (N)		90		20		59	300			
Lewis and Clark (S)	4		5	63			191	63		
Little Belt		11/2	5							
Little Rockies										
Lolo				23						
Long Pine										
Madison	9	74	2	9 9 10					5	40
Missoula										
Otter										
Pryor Mountains							8			
Snowy Mountains										
Yellowstone (Abs. Div	6	101					93			
NEBRASKA:										
Dismal River			}				15			12
Niobrara					i	1				30
North Platte							1	1	1	-
		,								
NEVADA:										
Charleston								1		
Independence						1				
Monitor			i .	1	i	l .				1
Ruby Mountains										
Tahoe										
Toiyabe										
Toquima				• • • • • • • • • • • • • • • • • • • •						
NEW MEXICO:										
Big Burros							4			
Gallinas	3	1	1			Ī				
Gila (N)	9		1				10			
Gila (S)	1		i		4	10	40		70	
Guadalupe	3	6				i	40	1		,
Jemez	1	_	1	i e		(	1			
Lincoln	1		ł		0	1	20			
Magdalena	1	1	i			l .				
Manzano	1		1	1	1	I .	t .	1		
Mount Taylor	I.		I .	i			ł.	1		
Pecos River	E.		F				1		i	
		l .								
Peloncillo				t						
San Mateo			•••••	6	İ			1		
				1					1	
Taos										
KLAHOMA:										
Wichita		28	17				2			18
OREGON:										
Ashland										
Blue Mountains (E)							1		59	2'
Blue Mountains (W)		_							51	~
Bull Run	1	2					55		1	
Cascade (N)		130				28	300			
Cascade (S)		24	5		2	42	258	8	46	
Coquille	_		l		,-				40	
	,	1		J						

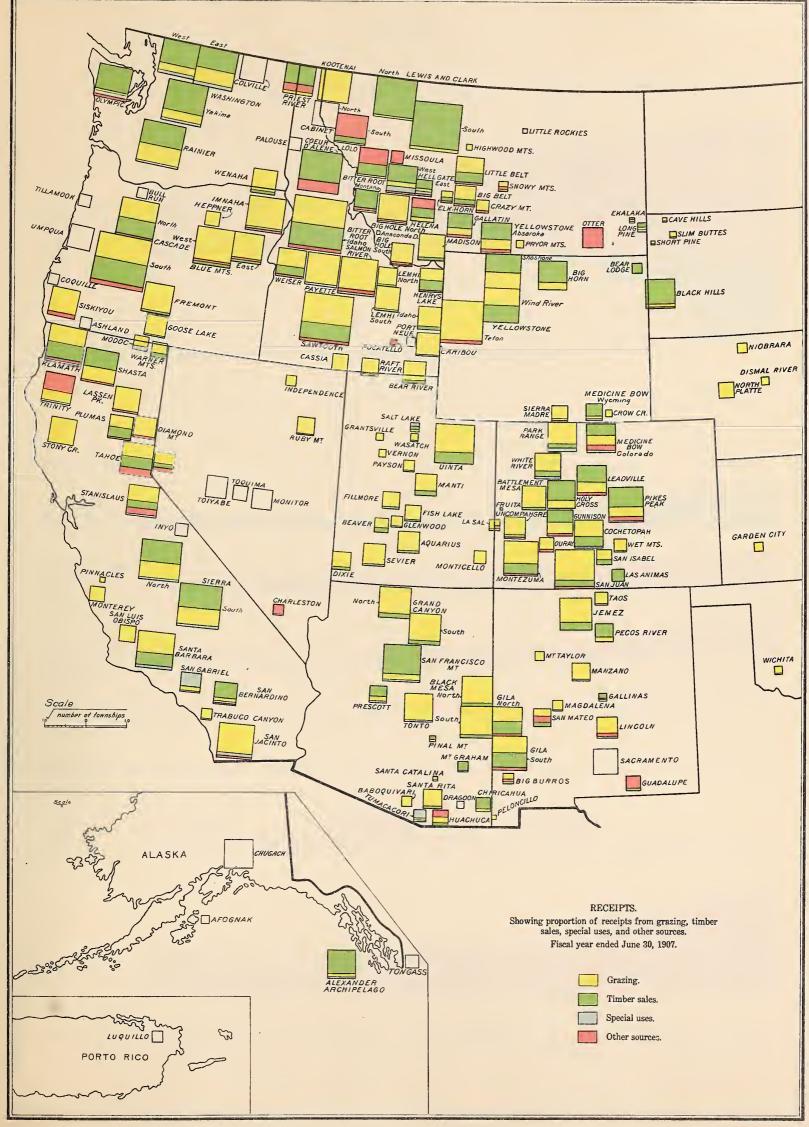


#### COMMUNICATION—Continued.

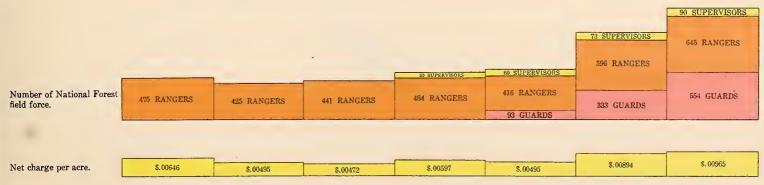
State and Forest.	Roads.			Railw	ays.	Tr	ails.	Tele-	Telephone lines.	
	County.	Private.	Govern- ment.	Standard gauge.	Narrow gauge or tram.	Private.	Govern- ment.	graph lines.	Private or corporate.	Govern- ment.
OREGON - Continued:										
Fremont	17	125	8			4	3		6	
Goose Lake	10	66	4		6				12	
Heppner	54	60							18	
Imnaha	7	32	1/2			65	15		4	
Siskiyou										
Tillamook		3				5				
Umpqua									9	
Wenaha	3						<i>}.</i>			
South Dakota:										
	100	50		35	24		+		115	
Black Hills							• • • • • • • • • • • • • • • • • • • •			
Cave Hills		•								
Short Pine							• • • • • • • • • • • • • • • • • • • •		.,	
Slim Buttes		2							,	
UTAH:										
Aquarius	12						180			
Bear River										
Beaver										
Dixie		15							<b></b>	
Fish Lake		8								
Glenwood										
Grantsville		0								
La Sal (See Colo.)										
Manti	9	46								
Monticello	Ü									
Payson										
Raft River (See Idaho)										
			1			1				1
Salt Lake		1				1	1		-	4
Sevier										20
Uinta								1		20
Vernon			1			1			i	
Wasatch									34	
WASHINGTON:										
Colville	35						5			44
Olympic			4			25	70			
Priest River			ł							
Rainier			8			75	48		21	7
Washington (Chelan Div.)						50	50		30	54
Washington (W)		6	3	1	10	300	10	1/2	14	
Washington (Wenat. Div.)			_	_				-		
Wenaha (See Oregon)		1	l .	1				7		
WYOMING:										
Bear Lodge		1					1			7-1
Big Horn		57								52
Black Hills (See S. Dakota)			l			•		1		
Caribou							i .			
Crow Creek							{			
Medicine Bow (Wyo. Div.)						Į.	1		13	
Sierra Madre										
Uinta (See Utah)										
Yellowstone (Shos. Div.)	50		26				250		12	5
Yellowstone (Teton Div.)			12				200		12	

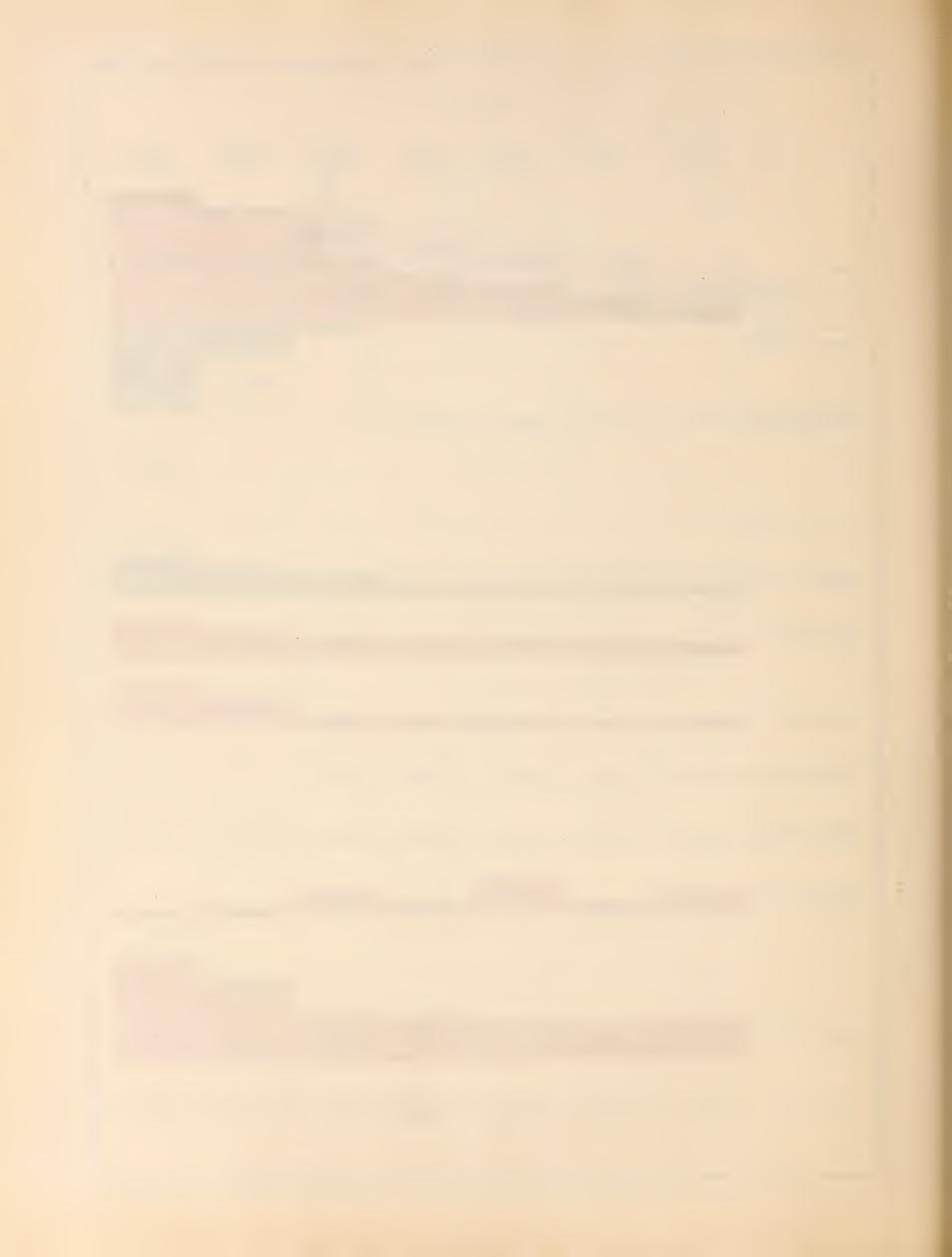




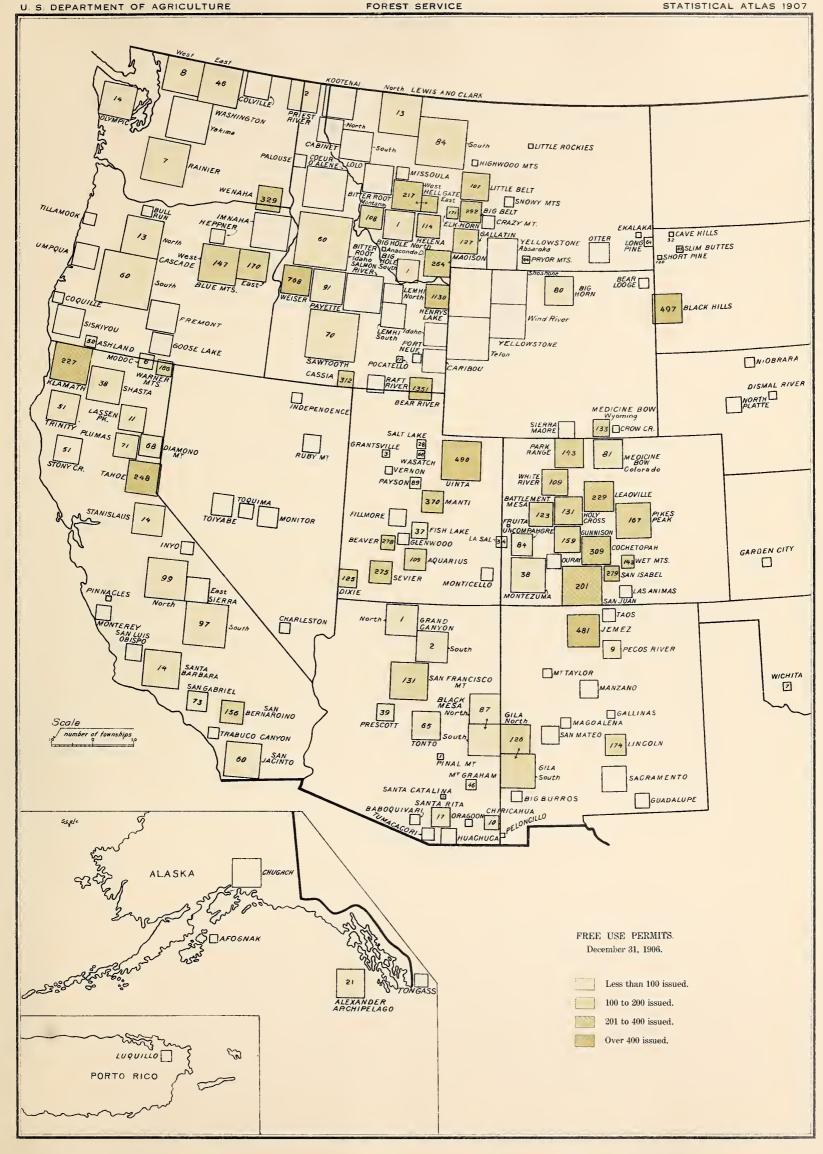


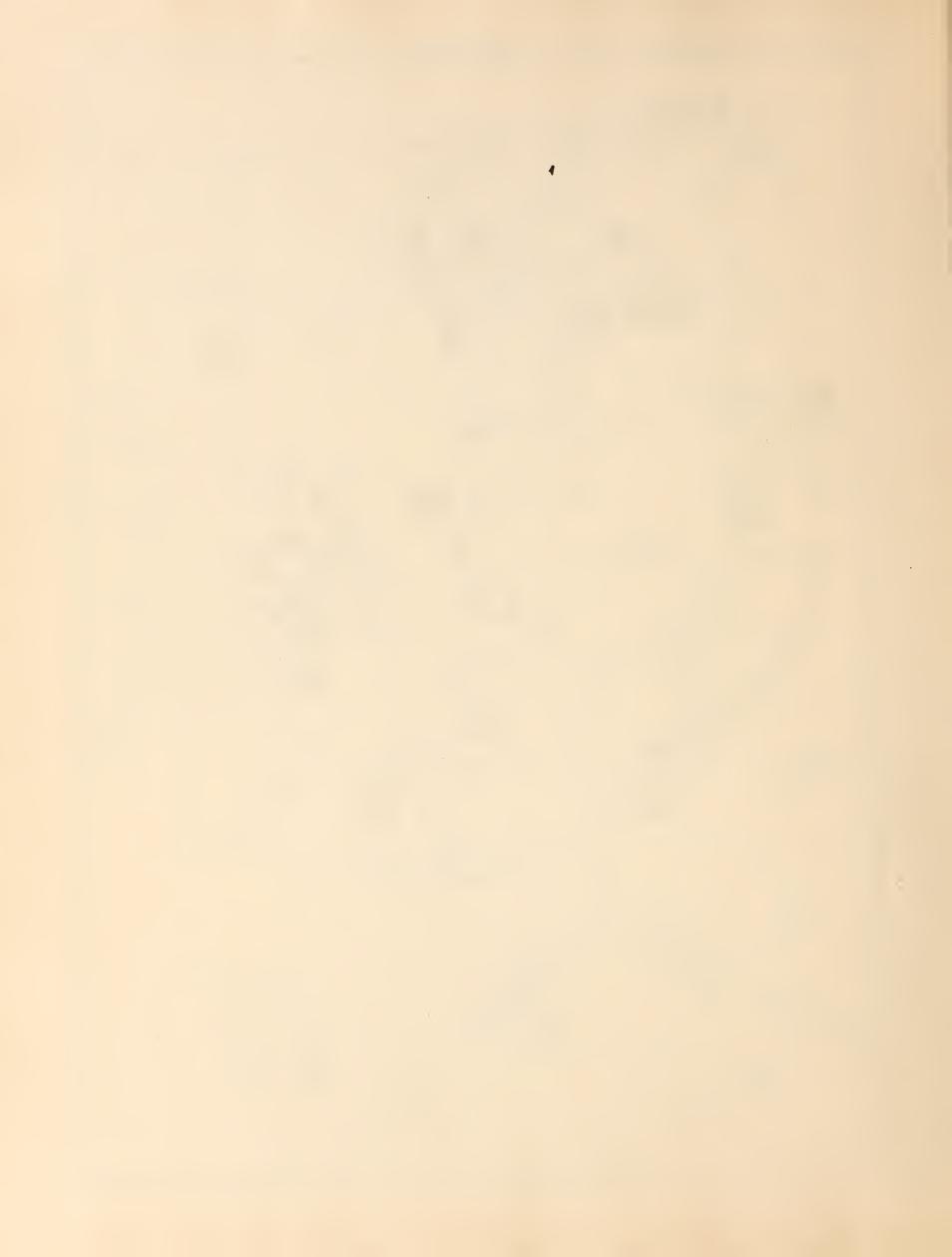








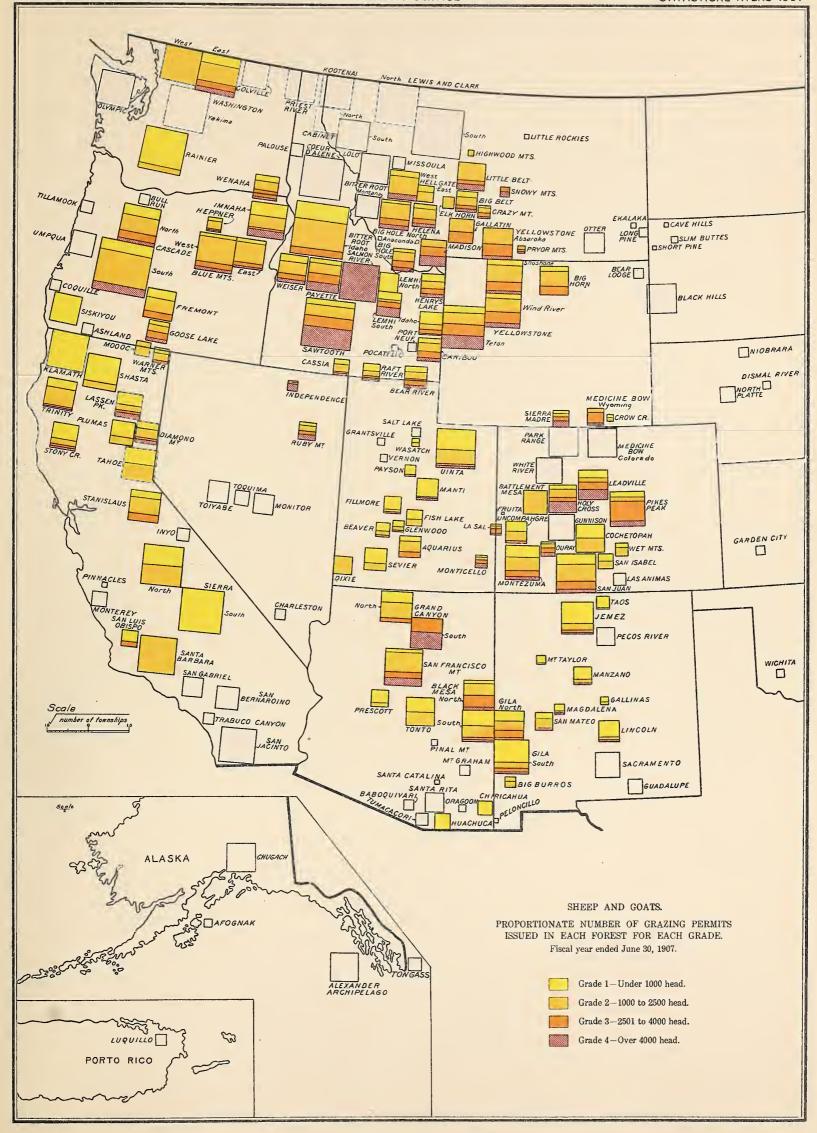


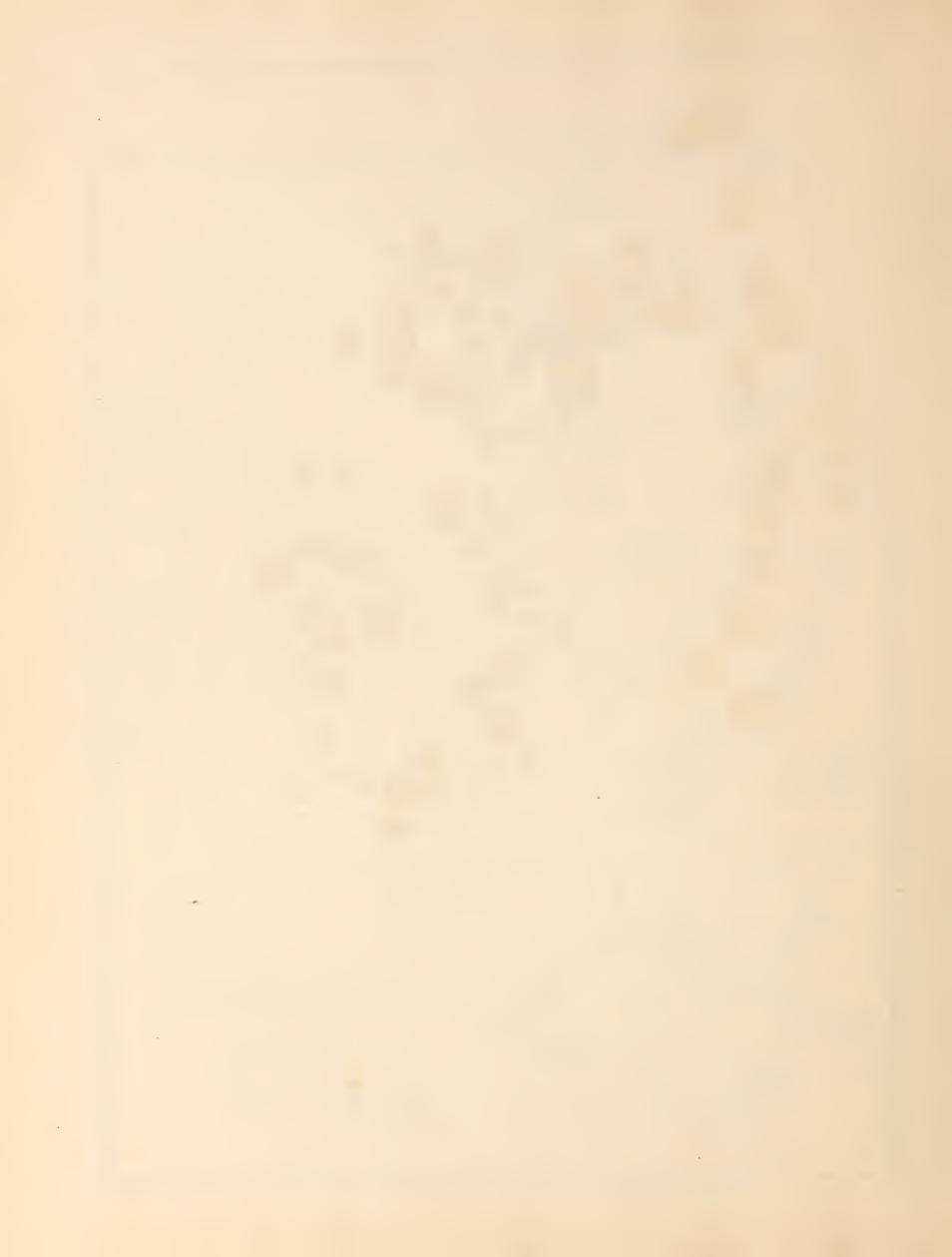


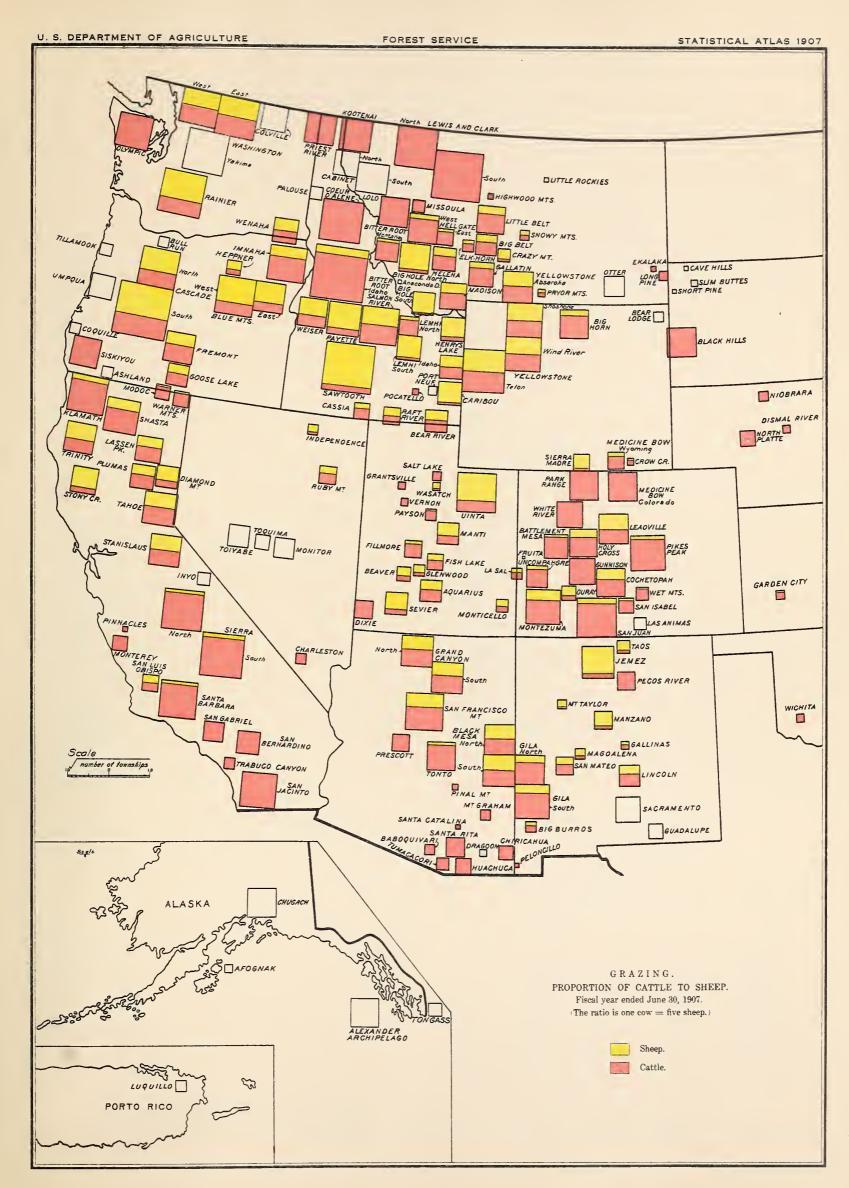














# USE OF NATIONAL FOREST LANDS AND RESOURCES.

KIND AND NUMBER OF PERMITS ISSUED SINCE CREATION OF THE FORESTS TO CLOSE OF FISCAL YEAR ENDED JUNE 30, 1907.

#### SPECIAL USE.

Kind of permit.		aber.	Kind of permit.		Number.	
		Free.			Free	
gricultural	245	21	Observatory			
gricultural and pasture	9		Office			
piary	52		Park	1		
ssay office	1		Pasture	396		
Sanking ground		1	Poultry ranch	1		
arn	6	4	Powder house	1		
Sath house	1		Power plant	19		
oat	l	4	Quartz mill			
rick manufacture	2		Railroad	7		
uilding	_	5	Railroad (logging)			
abin	35	18	Railroad siding			
amp	13	5	Railroad station			
attle feed yard	1 1		Reservoir	44	1	
emetery	1	2	Residence	123	1	
			Resort	20		
harcoal pit		1		20		
hurch			Restaurant	10	2	
ity reservoir and conduit		1 1	Road	19	2	
ity watershed	1	1	Sale of barbed wire	1		
learing river		1	Sale of sand and stone	1 1		
onduit	89	235	Sanitarium	1	• • • •	
orral	4	55	Saw mill	11	1	
ulvert		1	School	2		
airy	2		Shed	1		
am	2		Skidway			
ripping vat	2		Slaughter house	7		
Prain, pipe line, and power house		1	Smelter site	2		
rift fence		140	Stable	1		
ump ground		2	Station ground	4		
ngine	1	i	Stage station	2		
xperiment station		î	Steam boat	_		
		1	Steam thresher.			
erry landing	9	_		24		
ish hatchery	25		Store	1	1	
ishing site	2		Telephone		_	
ox ranch		'	Trail			
ay sale	53	• • • • • •	Tramway	8		
otel	53		Tramway (aerial)	1		
lunting permit		3	Transmission line	12		
ee pond	1		Trout pond	1		
iln	3		Tunnel			
aundry		1	Use of creek	1		
ime kiln	2		Well			
ivery stable	2		Well, windmill, and tank			
og chute		5	Wharf	2		
ogging pond	1		Windmill	1		
umber camp	Î		Wood yard	1		
umber yard		1	Took jara			
umber yard		1	Total	1311	14	
			Total	1011	1.5	

### KIND AND NUMBER OF PERMITS AND NUMBER OF TIMBER SALES.

### (Recapitulated by years.)

Year issued.	Special use.	Grazing.	Crossing forest with stock.	Free timber.	Total permits.	Timber sales.
Fiscal years 1891 to 1898 inclusive Fiscal year 1899 Fiscal year 1900 Fiscal year 1901 Fiscal year 1902 Fiscal year 1903 Fiscal year 1904 Fiscal year 1905 Fiscal year 1906 Fiscal year 1907 Total	298 604	2, 317 3, 126 4, 554		283		6 12 31 77 156 377 411 1,023 1,508 3,601

Notes—Canal. ditch, flume. pipe line. and other water transmission permits included with those for conduits.

Special use pasture permits not included under "Grazing."

Two hundred and twenty-three special use permits issued prior to February 1, 1905, included in number reported for fiscal year 1905.

Permits are not required for "prospecting for minerals, transient camping, hunting, fishing, and surveying for lawful projects." (P. 43, Reg. 6 of The Use Book for 1907).



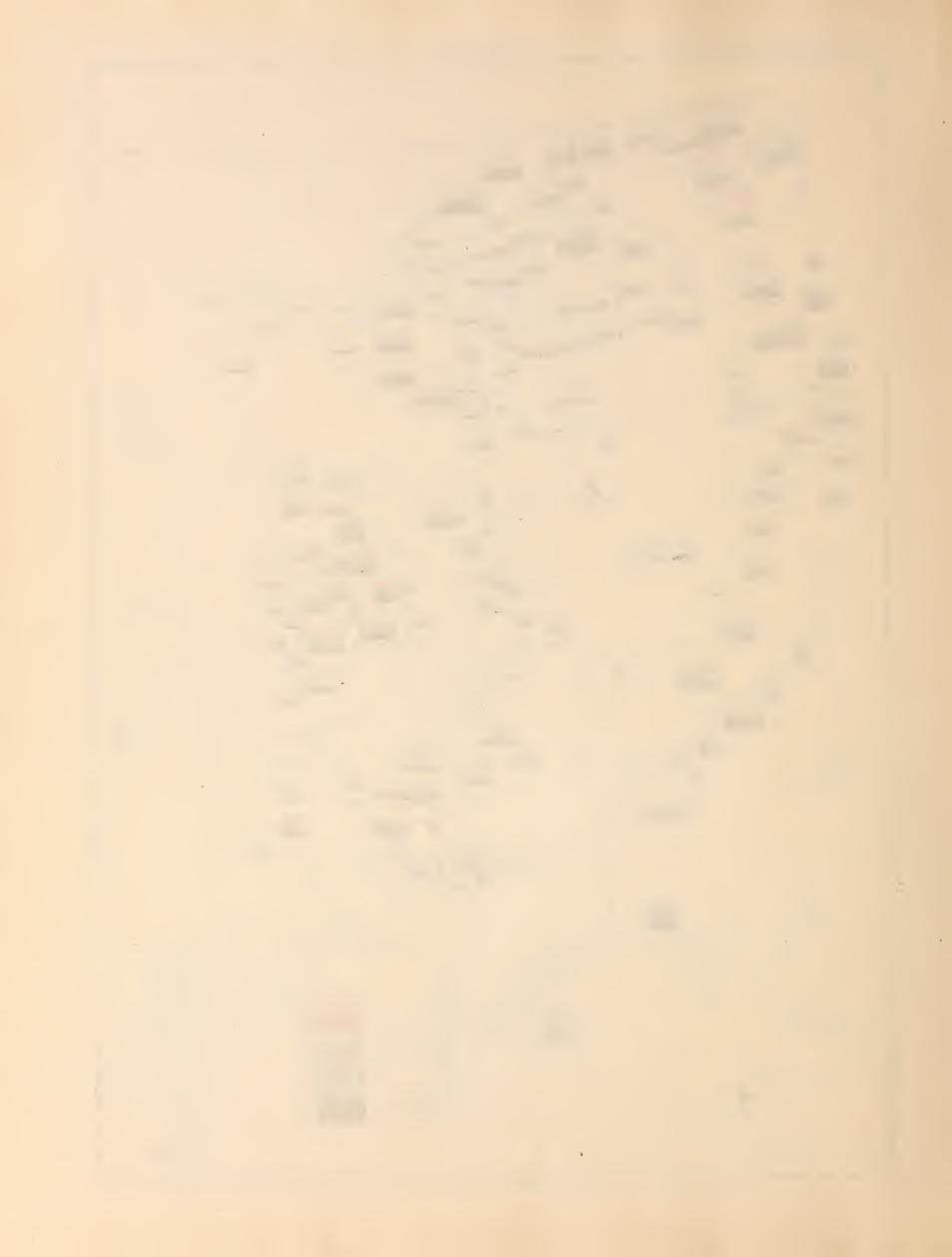
Western larch Others

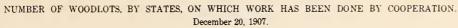
18. Juniper. 19. Aspen. 20. Oak.

21. Western hemlock. 22. Western larch. 23. Others.

LUQUILLO 23

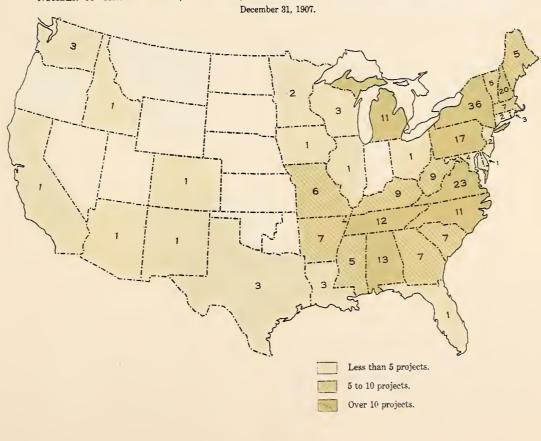
PORTO RICO



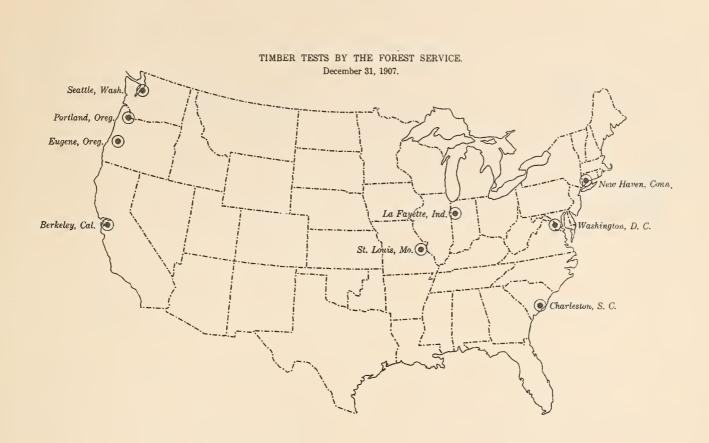


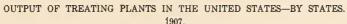


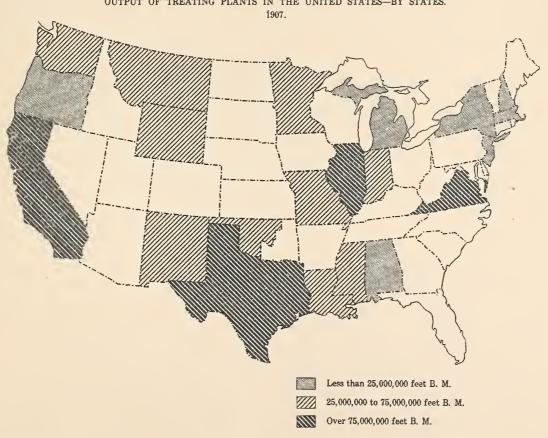
# NUMBER OF TIMBER TRACTS, BY STATES, ON WHICH WORK HAS BEEN DONE BY COOPERATION.



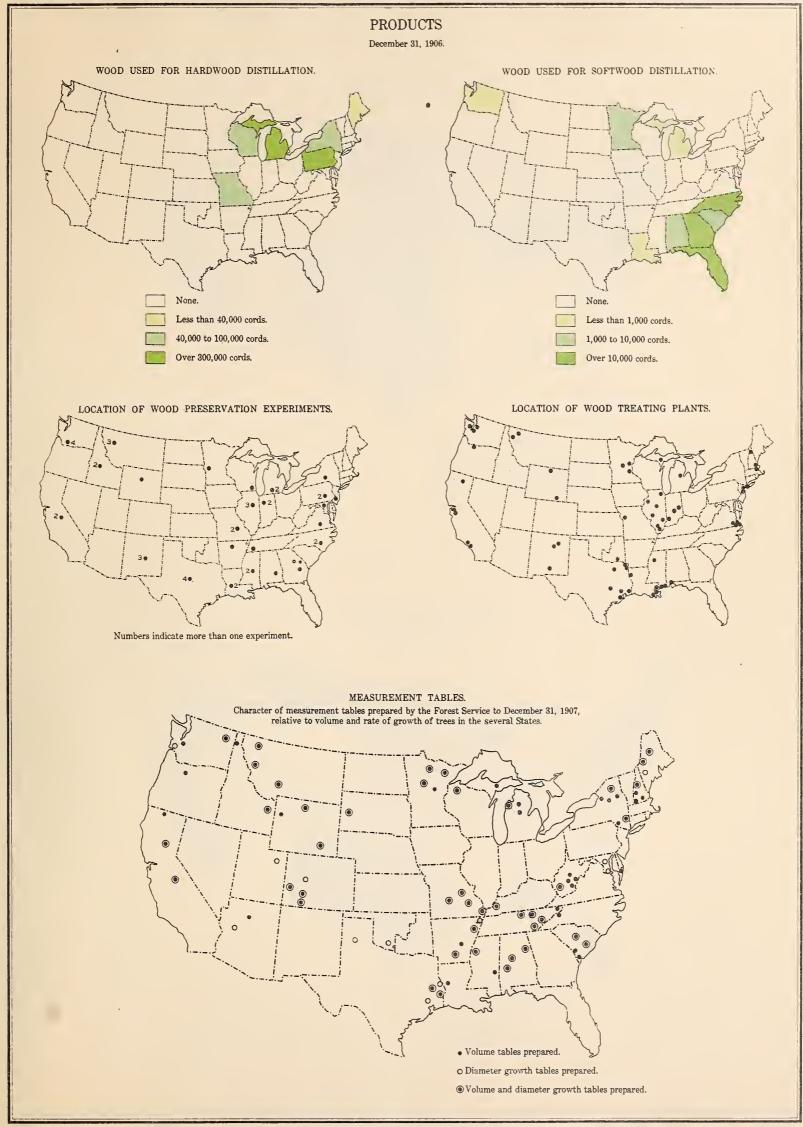




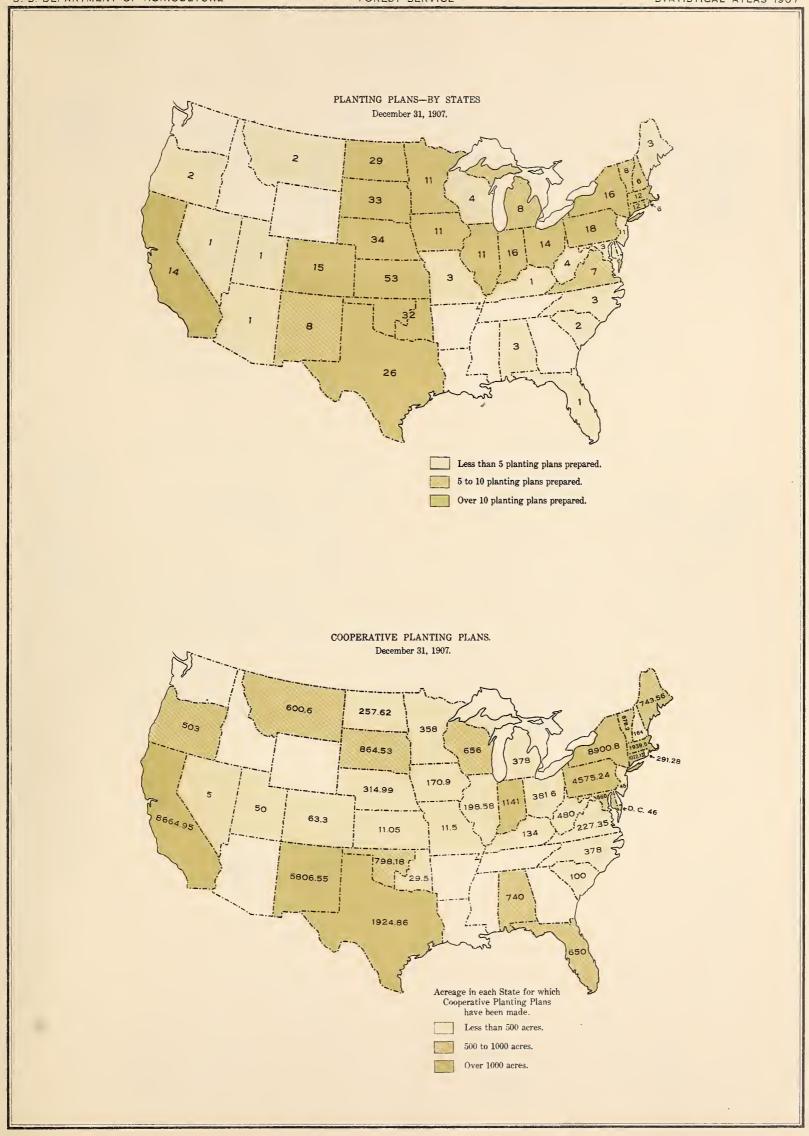


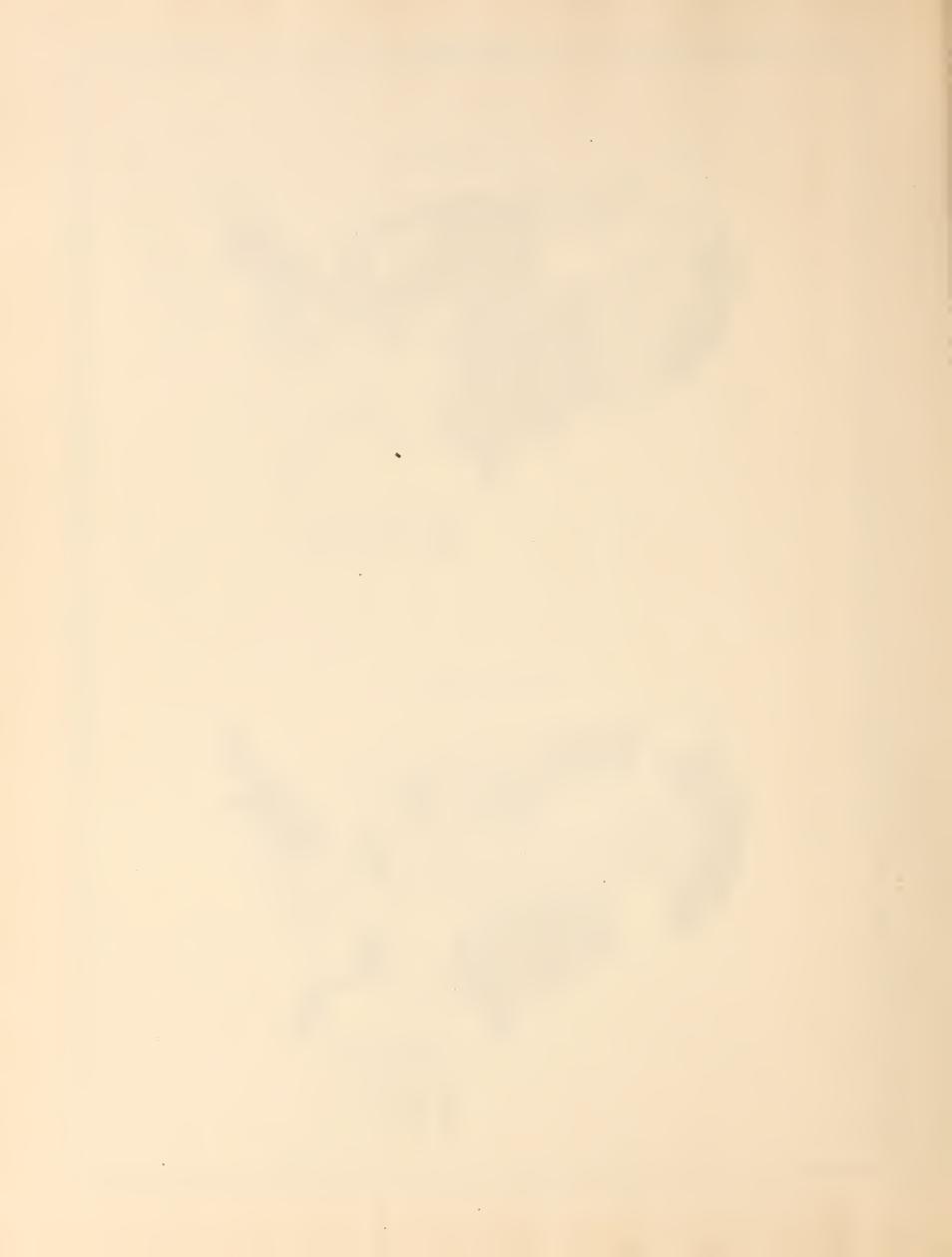


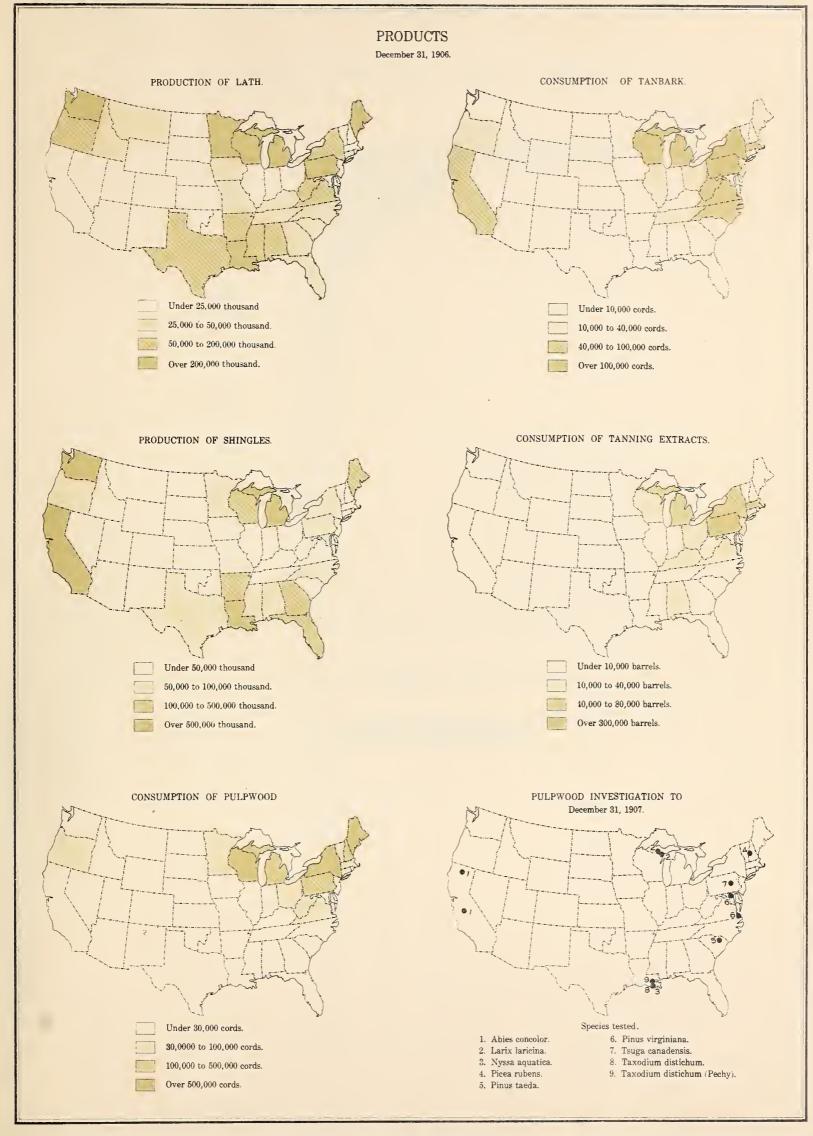


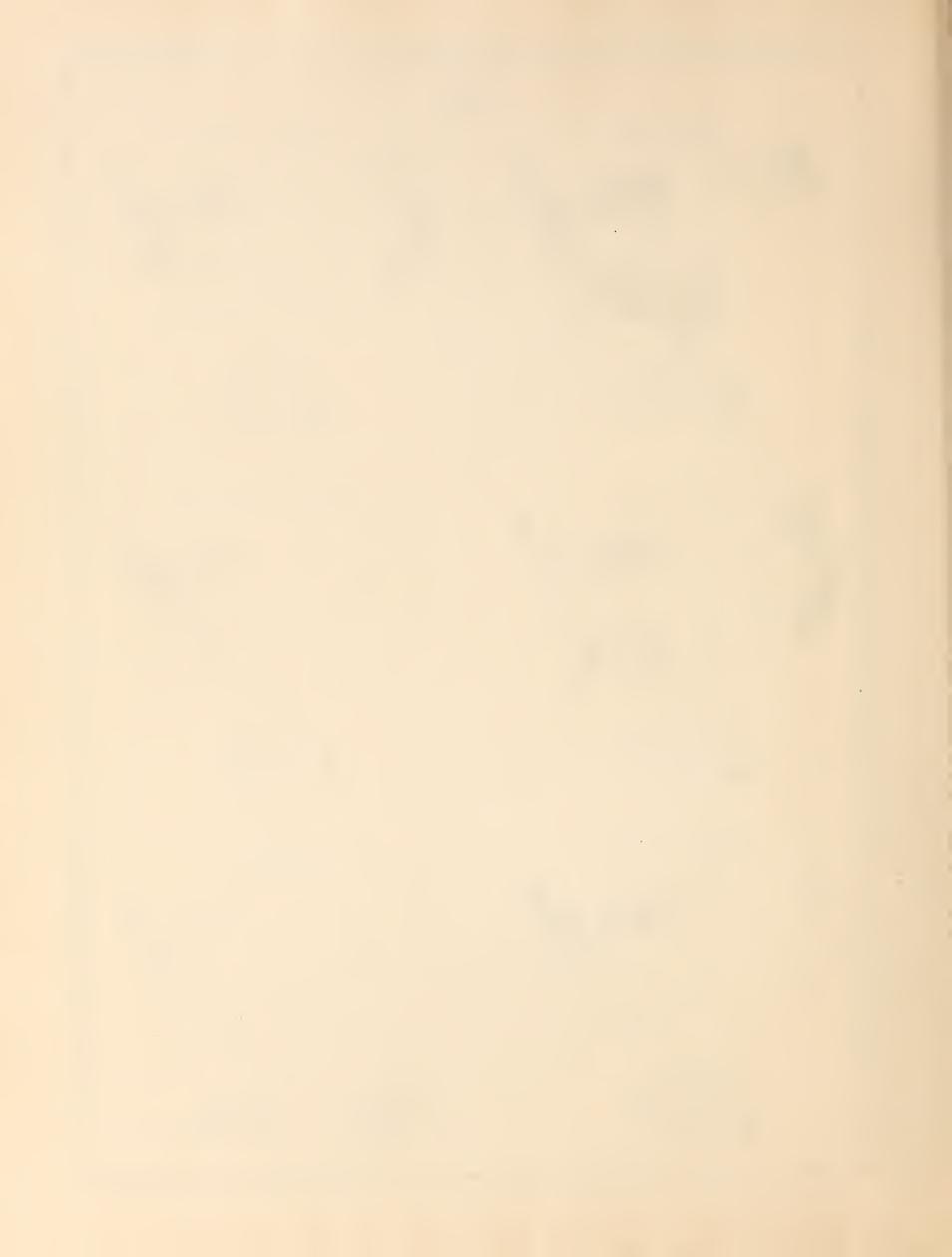




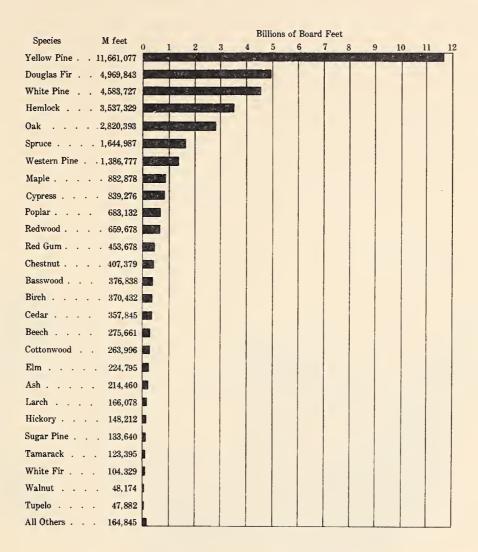




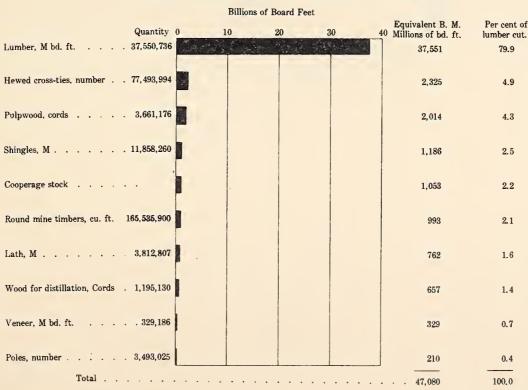




# LUMBER CUT OF THE UNITED STATES, BY SPECIES, 1906.



### OUTPUT OF FOREST PRODUCTS IN 1906.







# COMPARISON OF STUMPAGE VALUES.

For the years 1899, 1904, and 1907.

SPECIES,

AVERAGE VALUE PER THOUSAND FEET.

1899,	1904,	1907.
White pine . \$3.66	\$4.62	\$8.09
Ash 3.03	3.95	7.58
Basswood 1.50	3.89	6.79
Hickory		6.69
Oak a 3.18	3.83	6.52
Spruce 2.26	3.70	b 5.49
Chestnut 2.71	3.39	4.97
Elm 3.30	5.58	4.94
Poplar 2.81	3.89	4.64
Cedar 1.32	1.49	4.63
Hemlock 2.56	3.51	c 4.51
Birch		4.40
Cypress 1.58	3.42	4.37
Cottonwood . 1.45	2.61	3.97
Beech		3.56
Yellow pine . 1.12	1.68	3.16
Maple 2.66	3.82	2.50
Red gum 1.68	1.67	2.46
Redwood 1.06	1.55	2.35
Western pine .		1.66
Douglas fir77	1.05	1.44
Tupelo		1.27

a. White oak only.b. Eastern spruce only.c. Eastern hemlock only.



