

(b.) Special working plan or regulations proposed.

- (1.) 1st. Complex treatment of the oak Hochwald.
- 2nd. " " of the beech "
- 3rd. " " of the oak and beech *Mittel* and *Nieder Wald*.
- 4th. " " of the spruce and Scotch fir Hochwald.
- (2.) The *état* or estimated annual yield of the several complexes and of the whole forest.
- (3.) Improvement of the forest, soil, roads, &c., noting the leading points to be attended to during the next twenty years, *e.g.*—
 - a. Pushing on the construction of roads in certain parts.
 - b. Planting or sowing up vacant spots now unproductive.
 - c. Removal of the worthless or less valuable descriptions of trees in certain blocks, and planting of spruce and fir. Further planting of clearings where the natural reproduction has more or less failed (specifying the exact localities in both instances).
 - d. Thinning, particularly in the mature and too thickly covered portions (to be specified), &c., &c.

PART THIRD.

General and concluding remarks explanatory of the accompanying detailed working plan and maps for the guidance of the executive.

Note.—It is difficult to find exact synonyms for many of the German forest terms, but the following, as used by Dr. Brandis, may be adopted:—

*Hoch-wald	...	...	High timber forest or high forest.
Mittel-wald	...	...	Coppice, with standard trees.
Nieder-wald	...	...	Coppice.
Umtrieb	...	...	Rotation.
Umtriebs-zeit	...	...	Length of rotation.
Einrichtungs- Wirtschafts	} Plan	...	Plan of operations, or working plan.
Oberforsterei or Revier		...	Forest district or range managed by an ober or revier forster.
Forst-bezirk	...	..	Forest circle or division supervised by a Forstmeister.
Massenaufnahmen	...	...	Forest valuation surveys.
Vorbereitung's Schlag	}	...	Terms applied to the several stages of clearing for reproduction.
Besamung's		..	
Dunkel		..	
Licht	..	..

STATEMENT showing the FOREST AREA in proportion to the population in six of the largest GERMAN STATES and in the whole GERMAN EMPIRE.

	2	3	4	5	6	7	8	9
Name of State.	Extent in Hectars	Population per latest Census	Extent of Forest.			Proportion of forest to total extent per 100 Hectars.	Forest area per head of Population.	Remarks.
			Under State Management.	Private.	Total			
Prussia	34,831,924	24,019,567	hectars. 3,083,388	hectars. 4,333,965	hectars. 8,137,353	hectars. 23·4	hectars. ·339	The hectar is 2·4711431 English acres
Bavaria	7,565,738	4,824,421	1,332,962	1,263,969	2,596,931	34·4	·536	The sources of information made use of in compiling this statement are, Leo's Forst Statistik, Die Forst Verwaltung Baierns, Bernhard's Forst Statistik
Wurtemberg	1,950,597	1,778,396	399,169	195,933	595,102	30·5	·335	The forests classed as under State management (col. 4) include State, communal, and ecclesiastical forests
Baden	1,530,967	1,434,970	349,287	161,657	510,924	33·4	·356	
Saxony	1,466,644	2,423,401	192,370	280,094	472,419	31·6	·195	I have retained the <i>hectar</i> in this statement, as it is the land measure now universal in Germany, and supersedes the various <i>morgens</i> , <i>ackers</i> , and <i>tug-werks</i> , which were formerly so perplexing
Mecklenburgh Schwerin.	1,344,078	560,618	115,321	48,246	163,567	12·2	·292	
German Empire	54,102,769	40,089,170	7,247,862	6,692,679	13,940,541	25·7	·348	The total area per head of population in the German Empire is thus 1·3 hectars, of which ·348 hectars is woodland

* The term is used to denote plantations or woods, at any period of their growth, which are to be left till mature, whether for timber or firewood supply; which are to be reproduced from seed, and in which the mature wood will constitute the chief object (*Haupt nutzung*); whereas in *Mittelwald* the coppice is equally if not chiefly the aim.