勞

第 卷

插畫

宋李明仲先生像

專著

中國營造學社緣起

中國營造學社開會演詞附英譯

李明仲八百二十週忌之紀念

書評

英葉慈博士營造法式之評論附漢譯

英葉慈博士論中國建築内有涉及營造

第 册

中 華 民 或 + 九

年 七 月

法式之批評 附漢譯

校勘

仿宋重刋誉造法式校記

徴求

徵求營造佚存圖籍啓事

介紹

營造法式印行消息

社訊

社事紀要

BULLETIN OF THE

SOCIETY FOR THE RESEARCH IN CHINESE ARCHITECTURE

NO. 1 JULY, 1930 . VOL. 1

Frontispiece: A Portrait of Li Chieh — Author of

"Yin Tsao Fah Shih".

Articles:

- 1. The Founding of the Society.
- 2. Opening Speech by Chu Chi Chien, President of the Society.
- The 280th Anniversary of Li Chieh. 3.
- 4. Writings on Chinese Architecture by W. Perceval Yetts (with translation in Chinese).
- 5. A Chinese Treatise on Architecture by W. Perceval Yetts (with translation in Chinese).
- 6. A Record of the Errata Found in the 1925 Edition of "Yin Tsao Fah Shih".
- A Request for the Finding of Valuable Writings and other Records on Chinese Architecture.
- A Revised Publication of the 1925 Edition of "Yin Tsao Fah Shih" by the Commercial Press, Shanghai.

News Column

The address of the Society:

7 Pao Chu Tze Hutung, East of Wai Chiao Pu Street,

Peiping, China.





定價: 3600.00圓(共23册

TU-12 5 :1(1) 1930



中國營造學社緣起

造法式。而海内同志。始有致力之塗轍。年來東西學者。項背相望。發皇國粹。靡然從風 材。身任將作。乃與造作工匠 國營造學社。糾合同志若而人。 世界學術名家。公開討論 。今宜將李書讀法用法。先事研窮。務使學者。融會貫通。再博采圖籍。編成工 。方今世界大同。物質演進。茲事體大。非依科學的之眼光。作有系統之研究。不 中國之營造學。在歷史上。在美術上。皆有歷刧不磨之價值 工藝經訣之書。 非涉俚鄙 0 啟鈐 。詳悉講究。勒爲法式。一洗道器分塗。重士輕工之錮習 0 無似。 即苦艱深。良由學力不同 相與商略義例 年事日增。深懼文物淪胥 0 分別部居 0 0 遂滋隔閡。 庶幾絕學大昌 0 。傳述漸替 啓鈴 自刊行宋李明仲營 李明仲以 羣材致 0 爰發起 科實用 淹雅之 角 能 中 崩

家。收藏家。所保存所記錄者。尤當徵作資料。希其援助。至古人界畫粉本——實寫真形 造辭彙。旣宜導源訓詁 并應注重實物。凡建築所用 營造所用名詞術語 0 0 又期不悖於禮制。古人宮室制度之見於經史百家者。皆宜取 或一 物數名。 。一甓一椽。乃至塚墓遺文。伽藍舊蹟。經考古家 或名隨時異 0 亟應逐一整比 。附 以圖釋 7。美術 纂成營

近代圖樣模型影片 皆 擬 設法訪求 0 以供 |參証

由此 清代雍乾年間。工部物料 文遞嬗。遼金元明之遺物 及廨舍倉庫。崇庳有度 屬官書。居今稽古。 今樣。一併印行。已見一 推求。可明制度之因革。曩年於李書圖樣 李書於制度功限料例 不難 0 斑。 經制 推 價 0 0 塔寺宮殿。 知 固已示誉造之津梁 值 功限料例。爲民 悉準典章 傭值之高 0 以及各省工料價值 碩果尚存 下 0 其内庭及圓明園所營。 0 物 於付印之際。就現存宮闕之間架結構 生物力。 力之變遷 0 0 而北宋迄今。 諸 明清會典 書 隆替所關 0 0 與 蓋 工部 (内庭 0 又逾千載。 及則例做法 苑囿寺觀。 所營 圓 0 於時代性尤易 明 園 等工 如 壇 世運推遷 0 廟宮殿: 令甲 及裝修 料 則例 表 具 0 附 著 在 城 0 質 皆 垣 撰

新 力雖劬 效梓人傳之畫堵。 相爲灌輸 。若再濡滞。不逮數年 穹奇侈巧 衍繹成書 輓近以來。兵戈不戢。遺物摧毀。匠 程功尚尠 或以 0 結構恢詭 0 財物 以貢獻於世界 積成卷: 0 刧運 資其 0 0 無常 軸 闕失彌甚 然匠 (發展 0 Œ 0 心所運。不踰規距 擬增輯圖 吾爲此懼 0 就此巍然獨存之文物。作精確之標本。又不難推 0 曩因 「會典」 史。 師篤老 0 亟欲 廣徵 反 工 唤起並 。薪火不傅 。歷史象徵 文獻 部工 程做 世賢哲 0 又與二三同志 法 0 0 吾人析 固班班可考者· 0 0 共同討 有 法 無 疑問奇 究 圖 0 閉 o 0 或以 門 也 鳩 己感! 冥索 集 智 師 陳出 竭 識 匠

蹶

致

學社使命。不一而足。事屬草創 0 亦無先例之可循 0 顧 所以自勵 0 及蘄 望於社 ||會衆

者 。厥有數端。誠知罣漏 0 姑舉 隅 0

屬於溝通儒匠 。濬發智巧者

講求李書讀法用法 0 加以 演繹 0 節併章句。釐定表例。廣羅各種營造專書 0 舉

其正例變例。 以爲李書之羽翼

纂輯營造辭彙。於諸書所載 0 及口耳相傳。一切名詞術 語 0 逐一求其理解

0

製

圖 攝影。以歸納方法。整理成書 0 期與世界各種科學辭典。 有同 一之效用

文化滙合之源流。極有研究之價值。此種圖譜。一經考證。卽爲文化重要之史料 輯錄古今中外營造圖譜。方式變化。具有時代性及地域關係 0 中外互通 0 東西

編譯古今東西營造論著。及其軼聞。以科學方法整理文字。匯通東西學說。藉

增世人營造之智源

於樣房算房。本爲世守之工。號稱專家。至今猶有存者。其餘北京四大廠商 訪問大木匠師。各作名工。及工部老吏樣房算房專家。明清大工 0 畫 圖 估 算 所蓄 0 出

製作模型。燙樣傅彩。亦有專長。至廠商老吏。經驗宏富者。工料事例 匠師。系出冀州。諸作皆備。 術語名詞。實物構造。非親與其人講習 · 不能 可備諮詢 剖 晰

中國營造學社緣起

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0

屬於資料之徵集者

實物。古今器物及遺物之全體。或抽象。凡有資於証明者

圖樣。古今實寫及界畫粉本。式樣模型

撮影。實物遺物之不易移動或剖析。及不能圖釋者。

金石拓本及紀載圖志。金石之有彫鐫花紋。及方志等書。紀載建築實事者

遠征搜集。遠方異域。有可供參考之實物。委託專家。馳赴調查。用撮影及其他諸

法。採集報告。以充資料

古籍。考工記爾雅以降。經史百家。及域外佚存。舶來秘本。凡涉及營造事實 。 及

可供參證者

後一步之工作。 於前項工作。具有眉目時。卽可以一部分之成績品。提供於世界。此爲本學社最 姑就鄙人現有之資料。預擬總目如下

甲 部 釋名

辭彙

論著

制 度沿革。各書舉證。各式舉證。收藏品之全景。遺物之標本 ·。 軼 聞

丙部 法式

大木作。斗科 附 。小木作 0 内外裝修附 0 雕 作 0 旋作鋸作附 。石作 :。瓦作 0 土作

油作 。彩畫作 0 漆作 塑作 0 釋道. 相裝鑾附 0 磚 作 坎鑿附 0 琉璃窯作 0 搭 材作

銅作。鐵作。裱作。工料分析。物料價值攷

丁部 諸例

内庭工程做 法 0 圓 明 園 内工諸 作 則 例 萬 壽 山 内工諸 作則例 製造 庫 諸作 則 例 城

垣 三 程 陵寢 工 程 0 河 渠 工 程 0 河 工 0 海 塘 0 漕 河 0 江 防 0 橋 梁 溝渠

三 編輯進行之程序

成書假定以五年爲期。

第一年工作。搜集資料。整理故籍。商榷義例。擬定表式

第二年工作 審訂已有圖 釋之名詞 0 先製 卡片 以備社員之討論 0 逐漸引伸

第三年工作。綜合資料。製圖撰說。審核體例。

第四年工作。分科編纂。訂正圖表。

第五年工作 撰擬總釋 0 序例 。成爲有系統之學說。準備出版

以上五期之中 。或印行定期及單行之出版物。或彙集每期徵集之資料。 公開展覽

中國營造學社緣起

六

其辦法及程度。均依本會經濟之能力及社員公意行之。

寶庫。自宜暫以北平爲社址。如能與中外專家。交換學識。尤所忻盼。所冀 通藝之事。旣重專攻。又貴在集思廣益。北平爲文化中心。亦卽營造學歷史美術之

大雅閎達。不我遐棄。切磋孟晉。何幸如之。

中華民國十八年三月二十四日。

紫江朱啓鈐

中國營造學社開會演詞

懷 立以經過情形。與今後從事旨趣。 今日本社 0 惟諸君察焉 0 假 初春勝日 0 與同 .志諸: 有應 君 0 舉爲諸君告者。 相 晤聚 0 荷蒙聯袂偕臨 請得 以自 由之形式 0 寵幸 何 極 0 略 护 溯 胸 本 次 社 成 所

所存。 宿 ° 葉。 啟鈴 者。如工程則例之類 珍者。於是蓄志旁搜 流連景物而已。啟鈐則以司隸之官。兼將作之役。所與往還者。頗有坊巷編 於時學術風氣未開 研究之興會 稍稍有所憑借。則志欲舉歷朝建置 聆其所說。實有學士大夫所不屑聞。古今載籍所不經觏 創辦京師警察。 個人。 尙有零墜晦 問學無成。 0 而居然忝竊識途老馬之虛名者 蝕 0 學士大夫所競競注意者 於宮殿苑囿城闕衙署 0 0 0 待吾人之梳剔者 零聞片 亦無不紬讀 年事 文衰 語 0 。曷敢以專門之學相標尙 殘鱗 前 審詳 。宏偉精麗之觀 斷 實自 之 爪 0 0 0 0 此始矣 不過如 切有形 啟鈐之學 皆實若拱璧 度亦諸君所欣 0 日 0 無形之故蹟 恢張而顯示之。 民國 0 下舊聞攷 不足以横覽古今。 0 0 然願 顧一 以 即見於文字而 0 後 而 此輩口 聞 生經歷 0 0 春明夢: 濫竽内部 者 也 先後從事於殿壇 耳 周覽 0 0 不 柏 溯 餘錄之所舉 所以引 甚爲 然 傳 氓 前 加 兼督 謹 心 清 0 轉更足 知 匠 時 識 光 起營造 市 故 所 師 之 政 書 重 耆 末

眞狀 此憑藉。 然後知吾人平日。所得於 字者。不知其形象。 文學。與技術相離之遼遠 向者已云營造學之精要。 以待後人之研索。非然者 則宜舉今日 自李氏 耳耳 相傳 工 師 0 幾有不能求之書册 書出 此兩界殆終不能相 0 0 不可 視爲若可 。今日靈光僅存之工師。 0 吾人然後 長恃者 解若 知 0 0 一一勒之於書。 尙 接觸 不可解者 而必 有 居乎兩端之中 須 0 《求之口 於是得其術者 0 類已 固 猶 耳)躑躅 使 有 相傳之技術者 如 書 0 留聲攝 窮途 册 爲之溝 0 不得 叮 證 0 沈淪暮景 影之機 通 其 0 吾人· 媒 原 0 然以 介 幸 者 知 存 在 獲 其 歷來 其 有 文

營造學之趣味乃愈增。

希望乃愈大。發見亦

漸

多

0

體。已可句讀

0

且觸

類旁通

0

可與它書相

印證者

0

往往而

有

0

自得李氏此書。

Щ

面集貲刋布。一面悉心校讀

0

幾經寒暑。至今所未

能

疏證者

0

猶有十之一二。

然其大

既不存。業將終墜。豈尙有公於世之一日哉

輸入。 之尋求 成。李氏書其鍵鑰也。 雖然猶有進者。 去吾曹所擬之正鵠猶遠也。故因李氏書。而發生尋求全部營造史之塗徑 由 此 此皆可以慧眼 以上溯秦漢 。而益感於全部文化史之必須作一鳥瞰 李氏 0 觀 由 生當北宋。去有唐之遺風 恃 測 此 此 而得 以下視近代。若者爲進化 鍵鑰。可以啓無數之寶庫。 2者也。 然史迹之層累。 也 未遠 0 0 其 所 皆挾多方之勢力 若者爲 然若抱此一書 甄 退 錄 步 0 固 0 若者爲 粗 0 0 可 積多 而 。因全部 代表唐代之藝術 沾 固 沾 種之 有 自足 若者爲 原 因 則 史 而

所從出· 右逢原 衆心理者。 聲名文物。其相輔以 切不移之解。 維先生。著古宮室考。於中霤一名辨其所在。爲禮記國 夫所以爲研求營造學者。豈徒爲材木之輪奐 其一 0 也 部分寄之於建築。 豁然貫通 0 其來有自也 知中霤爲 知中霤爲四宮之中 0 無 彰者。在在可以 一家之中心 不 0 循此 如 建築於吾人生活最密 示 諸掌 以 央。 讀 0 則 群 0 視其 豈惟古代 則 書 知 五 知 0 將於古代政教 時代。由 祀之所以爲民 明 堂 0 切 0 。爲古代建築通式 足以 數千年來之政 0 自有 此而文化進展之痕 炫耀 間普 風 建築 主社稷而家主 耳 俗 自 通 0 0 而 |教風 社 而 信 已哉 會 仰 後 。宜乎爲一 俗 信 有 0 0 中雷 吾民 仰 而 迹 社 0 社 數千 顯 會 0 會信 社 焉 組 族之文化 切 年 句 會 織 0 仰 號 來 組 晚 0 令政 獲 近 織 盤 而 社 踞 0 王 後 進 左 確 會 展 民 教 國 有

組織 之營造不可。 更不暇多所引述。總之研求營造學。非通全部文化史不可 公所共喻。無俟繁徵 。亦奚不由此 啓鈴十年來粗知注意者 0 以 曲譬。假若引其端 得 7其源流 。以明其變遷推移之故。凡此種陳義 0 而 如 申論之。將窮日 此 而 已 夜而 0 而欲 不 能罄 通文化史。非 0 。固今世 今茲立 硑 談 治 之頃 求 史學諸 貧

以外者 迹未盡淪滅。奮力爲之不爲功 東西文化。交互往來之故者 有息息相通之意。 一人之智識 由此以彰。此則眞吾人今日所有事 來自遠西者。 晉以後之來自佛敎者 殊源之風格 族之文化結晶。直至近代而未已也 言及文化之進展 固亦早不能存在 猶待疏通證 0 其風範 混融 0 變幻 。吾中華民族者。 則知國家界限之觀念。 明。 格律 0 唐以 以構成之也 使從其朔 0 顯然可 0 後之來自波斯大食者。元明以 實離 有限 0 然須先爲中國營造史 尋者 盡記 也。啓鈐於民國十年 。然後不獨吾中國也 0 0 0 凡建築本身。及其附麗之物 具博大襟懷之民族 未啓之閟 遠古不敢遽談 0 0 往往 不能 因不俟吾 因爲 奥 亘 介實多 一置胸中 所見 人之贅詞 0 0 試觀漢 0 闢 非 0 。葢自太古以來。 0 0 0 合中 而觸 歷游歐美 世界文化遷移分合之迹 後之來自南洋 豈惟國家。 較可循尋之塗徑 以後之來自匈 。至於來源 及平日 外人 2。殆無 士之有志者 。 凡 卽 熟誦之故書 所 隱伏 者 民族界限 目覩 處 早 奴 0 吸 0 明 西 不足見多 佚 使漫無歸 域者 收 季 0 足以 外來民 及 之觀 以 出 今舊 頓 皆將 後之 史乘 魏 數 證 念

朿之零星材料。得一整比之方。否則終無下手處也。

際。端緒甚紛。布置經月。始有眉目。今茲所擬剋期成功。首先奉獻於學術界者 世專門學者 畫以彰形式 其繁。則徵 營造辭彙。是書之作。 中華文化基金委員會之賛助。撥給專欵。俾得立社北平。粗成一私人研究機關 營造有關之問題。若漆若絲若女紅 啓鈐之有志鳩合同志。從事整理 摹製模型。 書固難 0 繙譯以 亦頗有難得之品。曾於十七年春間 0 便援用 考工亦不易。 卽 以關於營造之名詞 0 立例之初 0 故擬 、若歷代名工 葢始於此矣。 廣據羣籍 0 所採頗廣。一 0 或 源 近數 0 0 匠之事蹟 流甚遠 兼 假中央公園陳列一 **斧來** 訪 年後當可具一長編 工 師 0 0 0 或訓 略 披閱 0 定其音訓 Ē 釋甚艱 纂輯 群 書 次 成 0 分類: 0 0 稿 0 考其 不 嗣 0 0 有 以 是以 又訪 鈔 奉 詞 撮 源 0 -教於當 草創、 來 典 流 0 購 0 是 其 於 以 圖 0 圖 之 御 日 承 書

限 識 然逆料是書之成。亦非易易。 0 亦未必盡與工師之解釋 0 殊難確認 即僅徵而不斷 鐅 0 \equiv 也也 0 固 0 已舛漏 時 代背景。有與工 相 符 堪虞。 。 二 也 何也。古代名詞。 <u>一</u>也。 。歷代文人 事有關 專 門 用語 術語 經先儒之聚頌。久難論定。以同人之學 0 不能不亦加詮 0 0 未必 往 往 能一一傳之文字。文字所傳 使實質與詞藻不分 列者 0 然去取之間 0 辨 其 難 程

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此引起未來之貢 以觸類旁通 顧啓鈐以爲不有椎 兩 相比附 而一 卽同人編纂此書。亦於整比之餘。得以濬發新知 獻 綫光明。突然呈露矣。同人今日原不能於此學。 輪 也 0 曷觀大輅。 是書姑爲營造學索引而已。有此 0 平日 遽 有貢獻 編 所視爲 0 不 無足經意 獨 0 然甚 讀者 望因 者 可

不同 形式才法。胥於此見之。 惟有助於所謂名詞之訓釋而已。凡工費之繁省。物價之盈縮。質料之種類來源 此非就其原料。重加排比不可也。試以表格之式編之。則向之臭腐。悉化爲神 意義可尋也 類乎此者之整比 盡 有可研索者在 一。平時連列 工 作 0 一盈架 則有各種 由此而 0 展 社會經濟之狀况。文化升降之比較。隨仁者智者所見之 卷一視 工 一程則 0 列之編訂 則滿眼: 数字 0 葢攷工之書 0 讀之輒苦無味 0 人 患 難 0 讀者 檢之則 奇矣 又費 其 字 0 構造之 0 時 句 豈 無

也

六國。 明堂之議 周之明堂 史跡是也。初民生活之演進。在在與建築有關 雖然平面之觀察未盡 然後有阿房宮之建。 其遺留迄於何 爲其立國精神之所寄。託其始於何 也 0 時 啓鈴所有志者。 其以何因緣而成邪 前 後 段邪 0 後之繼 更爲 起 . 時邪。其創邪其因邪 0 0 者 出 試觀其移步換形 縱剖之工作 自何人之力邪 0 其規模有以異於其 0 自 0 有史以 其創邪其因 圃 。孟子記 初 切 來 邪 躍 0 齊宣 然可 關 邪 秦始皇併 於營造之 三有毀 見矣 其 受

影響何自邪 其遺留迄於何時。而後盡毁邪。其後有效之而繼起者邪。其規模有尙存於

是宜有一自上而下之表格。以顯明建築興廢之迹 凡此皆史乘上絕巨問題。卽其一而研求之。足以使吾人認識吾民族之文化。更深 層

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邪。 書貢禹傳)而唐代漆噐出產地。則移於襄州。試思此於社會經濟勢力之推遷關係爲何等 匪獨此也。一種工事之盛於某時代。某地域。其背景蓋無窮也。齊之絲業發達。自其始 三服官。其後遂漸無聞 。多云蜀西工及廣漢工官。始知漢之漆工。集中巴蜀。 封時而已然。 半亦以此。歷唐迄宋。莫不皆然。 有周一代。惟齊衣被天下。齊之在周。正如曼徹司特之在今日。漢 0 漢初繡業。盛於襄邑。而季漢以 此後亦復無聞。 近年樂浪漢墓中 與金銀釦器 來 0 織錦盛於巴蜀 0 同 0 掘 地 出之髹器銘文 域 0 巴蜀之富 0 初 見漢 猶 有

名工。集之定州。其南方之工藝。則靖康南渡。 年而闃然無聞者。契丹入晉。 更不獨此也。 吳匠聚於蘇州之香山 凡工匠之產生。 。永樂營北京。復用北匠 虜其工匠北遷 亦與時代有關 0 0 以達其北朝藝術 名工師之生。有薈集於一 名工集於吳下 。聚於冀州。 此其故皆不可不深察也 0 蒙古立國 洪武營南京 時者。 亦 有亘 悉爲吳匠 屢 徵 數百 天下

故工匠之分配。亦縱斷之觀察。所不可不及也。

者。致力於是。已不少創獲之新解矣。凡一種文化。 縱斷旣竟。請言橫斷。吾國太古之文明。實與西方之交通。息息相關 窮詰。爰以演成繁複奇幻之觀 期。玄奘爲一期。蒙古帝國爲 有史以來。 動之痕迹。 其左右前後。有相依倚者。有相因 中外交通史迹之最顯著者。若穆天子傳爲一 顯然可尋 0 此近代治民俗學者所有 0 -期 學者循其委以竟其原。 0 [襲者 鄭和下南洋爲一期。 0 有相假貸者 事。而、 决非突然 亦治營造學者。所同 執其簡 0 期。漢通 有相 耶穌會教士東來爲 縁飾 崛 以 起 御 西 者 [域爲 其 0 變。 而 0 縱横 爲 近 來治 而 期 當致力者也 民 重 人類全體活 疊 族 西 期 法 北 所 顯 0 史地 試就 私 爲 有

循其往來之迹。此横斷之法也 有縱斷之法。 以究時代之升降。 有横斷之法。 以究地域之交通。 綜斯二者以觀。 而 其 全

庶乎可窺矣。

者 爲中國建築學社。顧以建築本身。 有 0 私願以識途老馬。作先驅之役 知半解。 0 不爲當世賢達所鄙棄。亦豈能以桑榆之景。 本社胎孕之由 0 與今後進行之準則。差具梗概。抑有進者 雖爲吾人所欲研究者 0 以待當世賢達之聞 風 0 肩 最重要之一端 興 起耳 此 重 任 0 本 0 所 社 以 命名之初 0 0 造 啓鈴老矣 然若專限於建 端端 不憚宏· 本 0 大 縱 擬

互勉焉耳

收穫 貫 通 之學術 作 步 多致力於中亞細亞之攷索者 或精神上。得互助之益。或物質上。假參考之便。無論直 攷工之事。皆本社所有之事 築本身。則其於全部 属於民俗學家之事。 屬實質的 且日祝其先我而成功者也 即今日未惠臨。 0 。吾西鄰之友。貽我以科學方法。 0 則大同觀念愈深 更不知何日 。其結果或有不負所期者 至何 。非吾一 藝術 程 度 民族所 觀成 無不 然費 圃 亦皆本社所應旁搜遠紹者。今日在 包括 多少與本社之事業有同情者 0 文化之關 0 私 啓鈴終身不獲見焉 民族觀念愈淡 一分氣力 有 0 0 0 由 0 0 吾人試 且 吾東鄰 推 是 0 係 啓鈴 0 東方人士。 以 而 0 極之。 卽深 言 仍不 向固 由 且時以其新解 之友。幸爲我保存古代文物 0 0 今更重言以 凡 能 中 層發現 言之。 國 凡信仰傳説 彩繪 彰 0 本部 固 近多致力於南部諸國之攷索者。西 顯 其 0 ` 學 所 0 彫 故 0 0 亦無不 但問 矣 蕳 同 申 0 塑 打 ·明之。 予我以策勵 固 時 儀文樂歌 破 0 ` 耕耘 努 座諸君 卽 無 染織 此 力前 諸 ·求其 |接間接。皆本社最親切之友朋 止 範 境 曰 君 0 圍 ` 不計 (繼續 窮日 進 中 髹 0 0 0 0 。三面 學有 漆 如 國營造學 而 0 |收穫 孳孳 此 贊助 此皆吾人所 并與吾 切 名以營造 造端 專長 無形之思想背 鑄 一會合 冶 0 0 0 人工 宏大 亦 社 且 願 0 者 以 未 也 興 摶 學 「方人[・] ^八之學 此 敢 而 銘 作 學 有 埴 社 0 卽 後 與 佩 方 全 紨 獨 同 士 向 保 桁 豁 景 則 人 愈 寄 不 其 然 相 類 進 切 凡 0

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INAUGRAL ADDRESS THE SOCIETY FOR THE RESEARCH IN CHINESE ARCHITECTURE

February 16, 1930

This is the first meeting of the Society for the Research in Chinese Architecture. We are thankful that you have been able to come and we consider your presence as indication of your desire to help and as an expression of interest in our work. Although this is no formal meeting, it may be of interest to you to hear how the Society came into existence and what are the things it intends to accomplish at least in the near future.

The serious study of so immense a subject as Chinese architecture is beyond my ability, for various reasons, of which not the least is my age and the incompleteness of my general knowledge. However, most of my life has been spent in architectural pursuits and this gives me hope that I may be employed by my younger contemporaries as the old horse-known in the proverbs of the East and the West-who can find its way home when its master is lost.

Any study of Chinese building leads quickly to fascinating problems in the history of Chinese culture. A house is a living symbol; it is the focus of the aspirations-social and spiritual-of the people who made it. It shelters the family and it is here in courts of prescribed proportions, shaded by walls of prescribed heights, in its chambers for social intercourse in

its chambers for religious meditation and ceremony and in its private chambers that occurs the slow elaboration of thought and ritual - social as well as religious—which constitutes the lore of the folk and gives a race the stability which is necessary if it is to maintain itself in competition with others. It was by a wise instinct that our forefathers deified the five parts of the house and called them sacred and offered to them daily worship. It is at these five places, the gate, the well, the central court, for example, that the struggle between the old and the new reaches intensity. Not only are houses symbols of the stability of a race, but they also record the struggles of a race. The procession of architectural fashions of ornaments which preserving the general design yet change with changing ages are records of the cultural ebb and flow. Thus it may be seen why the Society for search in Chinese Architecture is led into the study Chinese culture. Buildings are physical symbols; folklore is the spiritual foundation. The two must combine if either is to progress.

Some years ago, at a time when students of the history of Peking were still forced to draw their conclusions from literary sourcees, it was my duty—and at the same time my opportunity—to inspect the palaces, temples, walls, and other national buildings which were still not open to the public. I also came into contact with old residents and native artisans from whose lips I gained precious information unavaliable from other sources. These with official records and technical instructions whetted my appetite for more information.

While minister of the Interior and Director of the first Metropolitan Municipal Bureau, I formulated several schemes which looked toward reconstructing the old buildings and displaying the ancient relics. Some of these were not successful, but a few, fortunately, are being carried out to the present day. I have been constantly engaged in the work of opening the Three Palaces, Central Park, the Museum of Wu Yin, the reconstruction of Chen Yang Men, and the public roads. This work has increased my interest in our present project which is the careful investigation of the whole problem of Chinese technique, particularly in its historical development.

In 1918 I happened to read a Sung book, the "Ying Tsao Fa Shih (Methods of Architecture)" of which rare copy was in the Nanking Provincial Library. It was written Imperial order by Li Chieh. The author was an officer of the Imperial Board of Works but his biography is not recorded by the official historians. The book, though included in the "Ssu Ku Chuan Shu," has been almost forgotten by the reading public for a thousand years. It is substantial and laborious an erudite book, and a geat contribution to knowledge. At the same time that I recognised this, I was placed in difficulties by the numerous technical names, the frequent misprintings of characters and the confused order of the sentences. Several colleagues helped me to study it, checked it up with the Ssu Ku edition and enabled me to prepare a text which could be reprinted in better order and with colored illustrations of great precision. This work occupied several years, and even then

ten to twenty per cent of the technical terms remain undecipherable; but apart from these passages, the work is now in fairly good shape and offers frequent suggestions on many problems of Chinese architecture.

The student of Chinese architecture, however, may not confine himself solely to the study of the texts. Many aspects of this art can be studied only from the old artisan. The distance between written sources and practical knowledge is so great that the extremities can hardly touch. Those who know the technique probably do not know its origins, those who know the words, probably do not recognise the thing described. Since Li's book has been made readable we are beginning to see that there is a middle road which links the extremes, that the information given by artisans supplements and is supplemented by written sources. Our great task to-day is to make a record of the various kinds of information handed from master to apprentice from generation to generation and we must do it before the company of aged, poverty-stricken workmen dies out entirely. We shall be fortunate if we capture snatches of information from these men and record them for the use of future students who will be able to use them.

Li lived in the Northern Sung dynasty, he died at 1110. At this time the traditions of the Tang dynasty—the Golden Age of Chinese culture were still alive. The architectural art which Li discusses may be considered as having been drawn from a period only a little earlier than his. This may be taken as a starting point and from it Chinese architecture may be traced backwards to the Han dynasty and forwards to our own

times. With eyes fixed on this book we may see which art has been progressive and which has been reprogressive; which is ours and which has come from outside. History is made by forces which come from all directions. Li's book may be made to serve as a key which opens a part of the secret of history, and particularly the history of Chinese architecture; and as that history discloses itself, we feel the need, even more than before, of getting a view of the history of Chinese culture in general.

But the beauty of Chinese architecture is not our only reason for studying it. Architecture manifests cultural evolution of the people. The late Professor Wang Kuo Wei's important thesis on the "Chung Liu" in which he proves that the "Chung Liu" is a central court rather than an opening in the roof of a mud hut, not only offers a new interpretation to a passage in the Li Chi (i. e. the sovereign of the country is the She and Chi while the sovereign of the house is the "Chung Liu") but it also throws important light on the early history and culture of the Chinese people, and the traditions and beliefs behind this culture, and from the earliest times of the present we feel the need of examining the customs, traditions, institutions political and social-as they can be traced and explained in our buildings. The study of these problems is being carried on splendidly but I wish to emphasize here the importance of research into our material culture.

When we speak of the study of cultural evolution there is no place for nationalistic distinctions. The Chinese people has absorbed richly the achievements of other races, and one

can see various foreign influences in all of our artistic "genres." The influence of the Huns and the Western countries since Han, of Buddhism since Wei and Tsin, of Persia and Arabia since Tang, of the Southern Seas since Ming and of the Far West since Chin is too obvious to need comment. But the work has just begun and there are still many sources of influence which the historians have overlooked.

When I visited many countries during my trip to Europe and America, though I did not understand western languages, I saw many things which suggested passages from our classical literature read in childhood; but the secret was so deeply hidden that it needed the combined efforts of the scholars of all nations if it is to be discovered. Then I felt more strongly than ever before the need of the classification and systematisation of vagrant data in the study of Chinese Architeture as the first step in any investigation.

The materials I have collected and arranged with the help of my colleagues during the last years fall generally under four chief groups: (1) Laquer, (2) Silk, (3) Women's Work, (4) The Lives of Famous Workmen.

Rough notes on some of these have been published; some are still in process of being collected. In addition there are various incomplete collections of paintings, photographs, models, and the like. A private exhibition was held in 1927 in the Central Park of Peking. Recently the China Foundation for the Promotion of Culture and Education has been very kind in lending financial assistance for further research.

At present we are beginning to work on an Encyclopedia of Chinese Architecture. We shall collect and explain architectual terms by literary and pictorial illustration and we hope to publish in Chinese and English. The encyclopedia will not be confined strictly to architecture but will contain also the names and description of costumes, vehicles, instruments, short biographies of famous workmen and bibliugraphies of books touching on these subjects.

There are many difficulties in this work. First, many Chinese names have been the subjects of discussion for thousands of years and we can not hope at this date to reach in these cases satisfactory solutions to the problems. Second, we will probably not find exact interpretation in literature of the more technical terms. Third, Chinese literary men have used words loosely and it is frequently difficult to distinguish technical term from a literary metaphor. Finally, names of institution and beliefs, particularly religious names and phrases may be very important in architectural studies. To include those which are necessary and reject those which are useless is difficult.

A parallel work is the recomplation of official regulations, prescriptions, and reports left by former dynasties. In their present form those records seem to be nothing but figures and names. When recompiled they will appear as graphs and tables and will be of value in the explanation not only of terms, but also of instructions for work, prices and wages, and sources of building materials.

A vertical and a cross section study of our entire culturel history seems to me essential. The Ming Tang is an

example. We all know that the Ming Tang is the crystalization of the political and philosophical ideas of the Chou dynasty. Is it created by the Chou peoples, or did it, as some believe, exist long before the Chou's came into existence? The book of Mencious makes incidental mention of a proposal to destroy the Ming Tang. When did complete destruction take place? Is the Ming Tang of later ages still the same as the Ming Tang of the Chou dynasty?

Another good example is the Oh Fang palace of the Tsin period of which we are able to show a reproduction this afternoon. Was it the creation of a Tsin Emperor? It is the most magnificent building of history. When did the complete destruction take place? How did it influence other buildings? These are very big problems which await careful investigation. Therefore I intend to compile a chronological table of the constructions and destructions of various kinds of buildings.

Moreover, we must collect facts to show why certain works should have developed in certain regions at certain periods. For instance, the silk industry of Chi began at a very early date, Sze-ma Chien says that Chi furnished the Empire with clothes. Thus Chi of the Chou dynasty is like the Manchester of today. The silk embroidery of the Han period was made in Shiang-Yi (Honan). In the later Han the brockade and laquer ware of Szechuan were highly desired. These facts are found in the official histories and the last is interestingly confirmed by inscriptions recently taken from a Han tomb in Korea. Chronological and geographical tables of the distributions of different works are therefore earnestly desired.

In the past, the Chinese workmen were trained like an army and were kept stationed at given places for generations. The Chitai and Mongolian dynasties summoned expert workmen from all parts of the Empire and stationed them in the vicinity of Tin Chow (Hopei). During the first part of the Ming dynasty, workmen employed in public works came chiefly from Soochow and during the latter part of the dynasty, the emperors employed northern workmen who are even now to be found at Chi Chow in Hopei. Tables and graphs of the distribution of workmen are needed.

If we pass from the vertical to the horizontal, we observe that the culture of a people does not rise abruptly but is formed by many overlapping and complicated influences. Recent folklorists have proved this. We must join hands with them. Excluding the most ancient periods, we must note the influence of other peoples roughly in the periods of 1. the Mo Tien Tze Chuan, 2. Chang Chien, 3. Fa Hsien, 4. Huen Tsang, 5. The Mongolian Empire, 6. Cheng Ho, 7. The Jesuits. These have been studied and are still being studied. The folkorists, geologists, geographers and historians have opened for us a vast field of investigation.

In conclusion a few words must be said abut the name of our society. The Chinese name is 中國營造學社 and does not contain the term "architecture". The reason for this, is though Chinese architecture is our chief interest, we feared that if we called ourselves a Society for the study of Architecture we would too strictly limit the scope of our work and thus be unable to carry on the investigations we plan into related fields. Moreover, the

name we have chosen will keep before us the work of our venerable predecessor and master Li Chieh whose book is entitled "Methods of Yin Tsao". Thus we include within our range material arts: painting, sculpture—as used in decoration—, silk, lacquer, metal work, earthen wares; and when necessary in order to find explanations for our central problems, we will include the non-material culture: traditions, beliefs, riluals, music and dance.

The further we proceed, the more we feel that the study of Chinese architecture is not the private property of our own people. Our eastern neighbors have helped us in the preservation of old genres and in a strenuous research along the same lines; our western friends have helped us by offering the scientific method and discoveries in our own field.

To the scholers of all nationalities and all aims we express our sincere thanks and look forward in earnest hope for future contributions.

李明仲八百二十週忌之紀念

子矣。 董理之功。不有中天一柱之崔巍。亦不見洪河九曲之浩渺。先生實我營造學中之鄭君朱 響寂寥。然後得有宋李明仲先生。茂挺異才。紹揚絕緒 美。斯固弁冕羣籍。 研討。上導源於舊籍之遺文。下折衷於目騐之時制。巋然成一家之言。褎然立一 先秦古籍。殆無可疑。有此一篇。吾曹乃得稍稍窺見古人制作之精宏。與先哲立言之懿 故書雅記所傳 葢猶尼山六藝。待鄭君而訓故始定。待朱子而義理始明。不因遺緒之荒墜。不見掇拾 其究也。傳其人而不傳其學。傳其人之學而不能傳其所處時代之學。周禮攷工記。爲 然工倕之輩。能制作而未嘗著書。張衡杜預之徒。能著書。而亦未嘗著專於工事之書 0 其人能濬發巧思。以其飭材庀事前民利用之方。詔迪後世者 凌轢百家。言營造學者 。所奉爲日星河嶽者也。亦越千有: 。本其天授之魁奇 0 益以 0 葢 餘 朝之典 畢 載 不 生之 鮮矣 嗣

同輩相將。刋布原書於前 章之力。於是先生之書。幾於佚而 顧修宋史者。不爲先生立傳。 。搜獲先生墓志稿於後。雖遺蘊尙多。而大體己立 修四 僅存 庫全書者 。先生之事實。 0 雖知先生有營造法式一書。 竟荒埋而不獲襮白 而 近十 未能 。國中好古 年 曲 間 盡 表

李 明 仲 之 紀 念

之士。以逮城外羣英。 漸 無不 知有先生者。 緬惟先生之沒。實當有宋大觀四年二月二十 0 用諗當世 兼 ·。 恭

歲。聲明文物。埽地盡矣。宋氏興於倉卒。其君相安於苟簡。其人民習於夸毗 我國文化。至唐而如日中天。迨至昭宗徙東都。梁晉兩朝復徙汴京。盜賊干戈。迄無 能貫穴今古。斟酌時宜。振舉國埀暮之精神。謀百度一新之制作。不幸朝野沓泄之風 益昭埀於來許。敢因此日。略次先生行誼。與先生之所以巍然天壤者 承先生之嘉惠。幸獲有所藉手。爰始爰謀。是則是傚。實惟先生之遺風。有以起導而 九日壬申。(一一一〇年三月二十一日) 其旣於今。則八百二十年矣。中國營造學社 世紀之間。實爲急進保守兩黨。 法。成效固在。不能 **積重難返。憚於興革。怨讟緐興。神宗甫沒。而元祐之治。復從其朔。** 復措意。自其開國 可久之志。其學術思想。則趨於空疏褊隘。亦無復前此精宏之觀。其於制作之事。 振厲之。所願式憑靈爽。克濬新知。先生未竟之業。克光大於無垠。先生不朽之稱 明仲之時代 0 凡五傳而得神宗。以桓桓之英辟。遇名世之賢輔。王荆公安石。實 以黨見盡 掩其功 迭爲消長之會 0 於是又有紹聖崇寧兩朝之紹述 。其一種勢力 。謀向上與對外之發展 然熙 故有宋當 寧元 宜乎不 無可大 干一二 豐之變 。以

能貫澈初衷 立長久之基 0 以精 其他 心達其 種 0 蔪 則 向 謀現狀之維持 0 後者亦誤於恣意牽掣。以私見壞大局 0 而幸 偷安之可恃。卒之崇寧以 0 中 華大 後 0 國之風 前 者 旣 不

洎南渡以來。幾乎泯矣

之志事所以足重者可以了然矣 雖美弗彰。則亦宋以來排抵熙豐變法。積非勝是之故也。熟知先生之時代背景 之思想。必於熙豐爲近。而事業之成就。 明仲先生之少也。及見熙豐之盛 萌芽於元豐。而成熟於元符。 先生之躬典大役。 0 其人仕之始 必受熙豐變法之影響。 0 又皆在元符崇寧之世。 雖當元祐 初 元 0 决無可 而營造法式之成 綜觀 疑 0 顧 前 盛 後 名

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明仲之家世及經歷

轉運 郞 陽令。提舉京西常平。提點京西河 傳。卒年八十三。又據墓誌 **書虞部員外郎。祖惇裕** 先生爲鄭州管城人。 (今河 副 部 使。 尙 加直秘閣 書 0 歷 知 0 永 知 0 興 尙 延安府。 軍 0 書祠部員 南鄭 0 明仲 成都真定河 縣 進直 以大觀 北 外郎 刑 據墓 獄 龍 南府 圖 0 初丁父憂。 0 誌 父南 閣 京西轉運 0 0 擢 公。 鄭 見程俱北 州 寶 文閣 生於真宗之末 副使 知當生於是時 0 擢 待 。人爲屯田員 龍 山小 圖閣 制 集中 0 直 知 夢 瀛 0 0 其曾祖 士 州 據 宋· 外 進 0 拜 郎 士及第 史三五 戶 0 惟 再爲 部吏部 寅 0 0 河北 歷 五 故 本 浦 尙

俱北山小集。有爲傅冲益作先生墓志。確爲誡字 矣。)後命終制 次卽明仲先生也。名不見於宋史列傳。 運判官。建永泰陵。起復母喪 南公有子。知名者二人。 而書其名作誠字。然范氏天一閣影鈔本。及宋史藝文志。文獻通攷。俱作 0 以直龍圖 長曰 閣 譓 0 0 知熙州 使京西 0 附見南公傳中 據四庫總目 0 0 後爲: 建永泰陵是元符三 陝西轉運使 0 0 亦第進士 陸友仁研北新志云 0 顯謨閣 0 一年事 知 章 待制 邱 0 明 縣 仲 0 0 0 -誡字。 誡。 是時 遷河 歷數郡卒 字明 東 0 旣 三十 陜 仲 見 西 餘 程

宣義郞。崇寧元年 表致方物恩補郊社齋郎 先生少年時事。不可考矣。據墓志 三遷朝奉郞。 郞。元祐七年。以承 十。始補官。準此言之。先生奉表入京。年在二十以外。由是調曹州濟陰縣尉 七遷中散大夫。大觀元年丁父憂。 召人爲將作少監 賜五品 。辟雍成。遷將作監 0 奉郎 以宣 服 0 四遷朝奉 按宋史職官志選舉志 德郎爲將作少監 爲將作監 服除 大夫 主簿 0 元豐八年 0 0 0 0 知虢州 五遷朝散 再入將作 。二年冬 紹聖三年 。大臣子弟廕官。初試郊祀 0 哲宗登大位 Ò 未幾疾作 大夫。六遷右朝議大夫 。又五年。遷奉議郞 0 0 以承 以通直郎爲京西轉 事郎 0 0 遂不 爲將作 以父爲河北轉運 起 監 0 時 運 0 丞 齋郎 大觀四年二月 再遷承 判官。不 元符· 賜三品 0 副 遷承 年逾 議 中 使 ·數月 郞 服 遷 奉 務 0

壬申也

一註

註 一)按陳垣中西囘史日歷。甲子表第十八。大觀四年二月壬申,爲二月二十九日。當西歷一千一百年三月

二十一日。

明仲之建設

殿之壯麗。歷來記乘。此類多矣。 ;;吾曹追較唐宋兩朝建築知識之程 國文化重心。久已不在南而在北矣。 註故論先生之身世。當知北宋汴京之建置制度 言朱梁石晉兩度遷汴。然當四郊多壘之際。其規模之急就。必遠遜唐代東西二京 瞻言百里之概。 待言。宋祖肇王。志在苟安。不遑遠略。觀其營築汴城。僅爲防限敵騎巷戰之計。卽知其無 觀此上所述。 逮宋而絕。下及靖康降北 則知先生畢生精力。萃於將作之工。試取汴京建置之沿革而攷之。向者已 11故其宮室庫陋 。則累代僅存之法物重寶。名工世匠 , 。 雕 飾簡略。宋人奉使入金。 0 **軟驚怪於其國宮闕** 一舉而 度 0 宜知盛唐之風 移隸女真 。固不 。 正 中

當萎落之期。先生者。葢天毓其人於不絕如縷之際。付以補苴張皇。守先待後之任者也 過此以往。亦非先生所及知。吾人固不敢謂先生所代表者。卽吾國文化之精萃也

取方直 (注二)桯史。『開寶戊辰。藝祖初修汴京。大其城址 云。依此修築。故城卽當時遺 四面皆有門。坊市經緯其間 凝 蹟 也。 井井繩列 時人咸罔測 上覽而怒 。多病不宜於觀美。熙寧乙卯 。曲而宛如蚓詘焉。 自 取筆塗之。 耆老相傳。謂趙中令鳩工奏圖 命以幅 紙作大圈 神宗在位 紆曲 遂欲改作 縱 斜 旁 初

李 明 仲 之 紀 念

得色。曰是易攻下。令砲四隅。 功 苑中牧豚。及内作坊之事。卒不 命宦侍董其役。凡周旋數十里 。第賞侈其事。至以表記兩命詞科之題 隨方而擊之。城旣引直。一砲所望。 • 敢更 撤而 o 第增陴而 方之如矩。墉堞樓櫓 概可想見其張皇也 已。及政和間 0 0 靖 蔡京擅國。 雖甚藻飾 康戎馬南牧。 辟皆不可立。竟以此失守。藝祖沉 亟奏廣其規 而蕩然無曩時之堅樸 粘罕幹离不。 0 以便宮室苑 揚鞭城 矣 7.囿之奉 下 時 幾 有 迄

後大殿屋崛起處甚多。制度不經。工巧無遺力。 其西亦然。亦有三門。 (注三)攬轡錄 。『循東西御廊北行。廊幾二百間。 出門中 ·馳道甚闊 兩旁有溝 0 廊分三節。每節 上植柳 0 廊脊皆以 門。將至宮城 青琉璃瓦覆 0 宮闕門皆用 廊卽東轉。 之。 又百許間 遙 望前

遠睹。至是始騐。

扶欄四行。華表柱皆以燕石爲之。其色正白。而鎸鏤精巧。 北行日錄 。『又過龍津橋。二橋皆以石欄。分爲三道 ~。中道 如圖 限以護穽 畫然 0 國主所行 也 0 龍津 雄 壯 特甚 中 道 及

海陵集。 燕京城內地。大半入宮禁。百姓絕少。其宮闕壯麗。 延亘 阡 陌 0 上切霄漢。 雖秦阿房漢 建 章 不

過如是。」

造。下刻其名。及用之於燕。而名已先兆。 攬轡錄『金朝北京營制宮殿。 又按日下舊開考。引金圖經。 其屏扆牕牖 『亮欲都燕。遺畫工寫京師宮室制度。闊狹修短 0 皆破汴都輦致於此 』是汴京制度。仍有存於金源者 0 汴中宮匠 有名燕用 0 盡以授之左相 者 制作 -精巧 張浩 凡 又 所

雖然 尙 0 漸 熙寧以還 趨於黼黻彫繢 視北宋初年 0 歷史進化之自然 0 蓋差有進 0 固 步矣 應 爾 0 爾 此 蓋緣承平日 0 昔之論史者 久 0 0 競 物 蔽罪 力亨豫 於徽宗 0 故 0 謂 時 其 風

縱奢靡以致亡國。非探本之論也。營造法式之奉敕編修。以及其他興築之漸繁。其見端

矣。綜先生一生所任之工役。條舉如次。繫以攷證。可覽觀焉

(一)五王邸。

據墓誌云。元符中。建五王邸成。遷宣義郞 宅。及五王邸。及元符三年法式結銜所謂管修葢皇弟外第者 有八人。而有早卒者。蓋元符中現存者。并徽宗共有五人。 按棣華宅。爲哲宗諸弟而立。神宗十四子。弟六爲哲宗。以下价倜佖偉佶侯似偲。 。又云。其遷承議郞 故曰五王 0 皆是 。以龍德宮棣華宅 一。墓誌 事 。特名稱 所謂 不同 棣 雖

(二)辟雍。

耳。

據墓誌。辟雍成。遷將作監。

按宋東京考。 崇寧元年。 命將作少監李誡 0 即宮城南門外 0 營建外學。賜名辟雍。

外圓內方。爲屋千八百七十二楹。』

(三)尚書省。

據墓志。其遷奉議郞。以尚書省

按可談云。 『元豊間 移尚書省於大内西坊。 近西角樓。 人呼爲新省 。崇寧間 0 又移於

李明仲之紀念

念

大内西南 0

又湧幢小品 云 0 靖康元年。 尚書省火。延及各署。 折省中石碑。 擲火中 0 遂息

四)龍德宮

據墓誌。其遷承議郎。以龍德宮。

葢四時朝暮 新進 之選。上來幸。 岸。皆植奇花珍木。殿宇比比對峙 按楓窗小牘。『景龍江北。有龍德宮。初元符三年。以懿親宅潛邸爲之。及作景龍江夾 又按王氏畫苑。 後盡都城一 。上喜賜徘 隅焉。名曰擷芳園 。花蕊葉皆不同 :。褒錫甚寵。皆莫測其故。近侍嘗請於上。上曰。月季鮮有能 宋東京考引。)『徽宗建龍德宮成。命待詔圖畫宮中屏壁。皆極 無稱。獨顧壺中殿前柱廊拱眼。斜技月季花。問畫者爲誰。實少年 0 此作時 0 山水美秀。林麓暢茂 0 日中者 中途曰壺春堂 0 無豪髮差。 。絕岸至龍德宮。歲時次第展拓 。樓觀參差。猶艮嶽延福也 故厚賞之。 畫者 0 一時

龍德宮葢創始於哲宗元符三年。故列在棣華宅之前 。至徽宗畫月季 事 0 則在展拓以

後

(五)朱雀門

據墓誌 。其遷朝奉郞賜五品服。以朱雀門。

按宋史地 理志『朱雀門宋東京舊城南面之中門也。 太平興國四年。

又按墓誌嘗篹重修朱雀門記以篆書丹以進。有旨勒石朱雀鬥。

(六)景龍門九成殿

據墓誌。其遷朝奉大夫。以景龍門。九成殿。

按宋史地理志。『延福宮。東景龍門橋。西天波門橋。二橋之下。疊石爲固 0 引舟

通。 而橋上人物 0 外自通行不覺也。 名曰景龍江』。又按地理志。 『政和 五 年 0 作上

清寶籙宮。

在景龍門

東 。

對景輝

門。

又開景龍門城上

0

作複道

。 通

寶籙宮

0

以

便

齋醮

相

之路。徽宗數從複道上往來。 是年十二月。始張燈於景龍門上下 0

以上所記。 雖係李氏物故後之事。但由此可知景龍門工作 。重要而 繁複

又按宋東京考。『九成殿。崇寧元年。方士魏漢津 。請備百物之像 。鑄九鼎 0 四 年三

月。九鼎成。詔於中太一宮南爲殿。 以奉安九鼎 0 ___ 此殿復拓爲宮 0 通鑑 有帝幸九成

宮 0 行酌獻禮之語 0 蓋初建時祇名爲殿 0 先生爲初建時工官也

(七)開封府廨

據墓誌。其遷朝散大夫。以開封府廨。

按宋東京考。引秘笈新 書 0 崇寧三年 ·。蔡京乞罷權知府 。置牧尹各 員 0 專總府事

李明仲之紀念

___.

牧以皇子領。 尹以文臣充。 』意此時官制新改。故府廨有新建之事也

東京考又云。『 開封府治。在京城內浚儀街西北。 即唐舊汴州也

又按圖書集成開封府部彙考元祐六年冬十二月開封府火。據此則崇寧之修廨亦以此也

(八)太廟

據墓誌。其遷右朝議大夫。賜三品服。以修奉太廟

按宋史一〇六禮志。『崇寧三年。禮部尚書徐鐸言。唐之獻祖中宗代宗。與本朝僖祖

。皆甞祧而復。今存宣祖於當祧之際。復翼祖於已祧之後。以備九廟。 禮無不稱 0 乃

命鐸爲修奉使。增太廟殿爲十室。四年十二月。復翼祖宣祖廟。行奉安禮

(九)欽慈太后佛寺。

據墓誌。其遷中散大夫。以欽慈太后佛寺。

按宋史后妃列傳。欽慈陳皇后 。乃徽宗生母。卒年三十二。時徽宗尙未登極 。其皇太

后。乃徽宗初卽位。建中靖國元年所追册。時徽宗方二十歲。此佛寺葢追慕所作

(十)營房

據營造法式結銜。有專一提舉修葢班直諸軍營房等一語。知先生實總此役

按宋史兵志。『禁兵者。天子之衛兵也。殿前侍衛。二司總之。其最親近扈從者 號

諸班直。』此班直之由來也。

(十一)明堂

明堂之議 進明堂圖 見在禁中 部員外郎 據楊仲良續資治通鑑長編紀 姚舜仁 0 』又據宋史一〇六禮志。『議上。詔依所定營建 然攷究未甚詳 先生亦與聞之也 0 請 即 國 丙已之地 0 仍令將 事 本 末 0 作監李誡誡亦同 0 建 朔堂 崇寧 应 0 繪圖 年 0 舜仁 以獻 七月二十 上殿 上。 上曰 0 七日 0 八 明年以慧星出 月 0 0 十六 宰相 先帝嘗欲爲之 日 蔡京等 0 李 東方罷 誡 姚 進 0 舜仁 有 呈 是 圖 庫

營造法式之成書與其價值

此。 此段 先生入仕將作 別無變造用 營造法式。至元祐六年方成書。 據影宋本營造法式卷首 哲宗紹聖中 庶官。修明大法。其注意考工。不遺一 知營造法式之奉敕編 材制度。其間 0 在元祐七年 。主張紹述 0 工料太寬。關防無術 有先生請 修 0 0 一反元祐之政。故不滿於元祐成書 固知第 0 實在 準紹聖年十一 鏤版 一次營造法式之成。先生絕未與聞 熙寧之歲 箚子 物如此 月二日敕 通云 0 。三省同奉聖旨 神宗臨 0 0 信非令主賢佐之遇合有 ___ 御之初 0 契勘熙寧 以元 0 祐營造法式 著行 臨 0 中 川 而必令先 0 當國 重別 敕令將: 吅 編 0 生重 百 修 祇 時 作 度 是 0 修 不 維 料 0 詳 能 狀 編 新 攷 究 修 有

李 明 仲 之 紀

實全出先生之手也

講說 奇 再觀箚子。奉勅重修 0 其博綜羣書 編修海行營造法式。元符三年内成書。 0 折衷時 0 是紹聖四年事。其下繼云。『臣考究經史羣書。 制 0 討論綴拾之勤。 實事求是之意。概可見也 送所屬看詳 0 別無未盡 0 并勒人匠 是費時 逐

先生撰書旨趣體例 0 見於看詳之末。其略曰

矩者 九篇 法式 不曾參用舊文 作相傳。並是經久可以行用之法。與諸作諳會經歷 而數名各異。已於前項逐門看詳立文外。 圖樣六卷。 不可攷據。徒爲空文。難以行用。先次更不施行。委臣重別編修。 諸作利害。隨物之大小。有增減之法。各於逐限制度。 看詳先準朝旨 總釋并總例。共二卷。制度一十五卷。功限一十卷。科例并工作等第共三卷 。二百八十三條。 皆別立圖樣 日錄一卷。總三十六卷。計三百五十七篇 即別 0 以營造法式舊文。祇是一定之法。及有營造位置。 0 以明 無開 係於經史等羣書中 制度 具 看 0 詳 0 因依其逐作造作名件內。 其三百八篇。三千二百七十二條 0 檢尋攷究 。造作工匠 0 0 至或制 共三千五百 功限 或有須於畫 以料例内 。詳悉講究 度與經傳相 五十五 今編修到 略皆不 0 剏 圖 行 内 條 合 0 規矩 係 修立 海 同 0 可 或 内 行營造 自 見規 比 臨 0 來 四 並 +較 物 時 0

又據進 長短之晷。以至木議剛柔 書表云。 -----臣攷閱舊章 而理無不順。 。稽参衆智。功分三等。第爲精粗之差。役辦 土評遠邇而力易以供 0 類例相從 0 條章! 四 真 時 在 用度 研

精覃思 顧述者之非工。 按牒披圖。 或將來之有補

墨之運。皆已了然於心。遂被旨著營造法式。書成。凡二十四卷。詔頒之天下。 又據墓誌。『時公在將作且八年。其考工庀事。必究利害。堅窳之制。堂構之方。 與繩

茲更舉逐卷所載。大致說

明

卷 樣 總例 門窻欄檻裝飾器用屬之小木作。第十二卷。爲彫作旋作鋸作竹作制度。第十三卷。 作泥作制度 爲大木作制度。第六七八九十十一諸卷。爲小木作制度。凡屋宇之結構屬之大木作 第一二卷。爲總釋。 0 爲諸功限 0 則以說 第十四卷。爲彩畫作制度。第十五卷。爲塼作窰作制度。第十六至二十五 0 明算術定例。及當時功限格令等。第三卷。爲壕寨及石作制 第二十六至二十八卷。爲諸作料例。第二十九至三十四卷。爲諸作 凡建築上之通名 。羣書所恒用者 0 **薈集而詮釋之。以** 求其 度。 第四五 正 爲瓦 。 凡 0 圖 附

次井然 更總攝其大綱 。苞舉無賸 。則其第一步爲名例。第二步爲制度。第三步爲功限 。約舉其善。葢有四焉。疏舉故書義訓。通以今釋。由名物之演嬗 。第四步爲圖樣

0

程功之限。雇役之制。般運之價。兼得當時社會經濟狀况。五也。華紋形體若拂菻師子 頻伽化生之類。得睹當時外族文化影響。六也。 而得其同異。三也。所用工材。雖無由得其價值 得古今之會通。一 。四 二也。凡一物之制作。必究宣其形式。尺度程序。註 二也。凡一物之制作。必究宣其形式。尺度程序 也。 北宋故書 0 多有不傳於今者。本編所引。 。而良窳貴賤。固可約略而得 0 咸使可尋。 頗有佚文異說足資攷据 由此得與今制 四 相 也 較 0

平曰廜麻一條。今當以屋上平曰陠一條增人。又看詳卷內引尚書大傳注云賁大也。言大牆正道直也。今本尚? 影宋寫本小瑯環主人之所藏也。周官攷工遺意具見於此。其中援引典籍。至爲賅博。頗足以資攷訂。 是則可補今本周髀之脫佚者矣。以上數端。若無李誡斯編。安所據以證明之。宜小瑯環主人之珍祕之也。』 八十一。萬物周事而圜方用焉。大匠造制而規矩設焉。或毁方而爲圜。或破圜而爲方。方中爲圜者。謂之圜 大傳注云賁大也。廧謂之廧。大廧正直之廧。其文微異。當兩存之。又看詳卷内。引周髀算經云。 詳卷內引通俗文云屋上平曰陠必孤切。按臧鏞堂刊輯本通俗文。止舉御覽所引屋加椽曰橑 一 注四)張金吾影宋寫本營造法式聞箏道人跋。『右李誡營造法式三十四卷。看詳一卷。目錄一卷。小瑯環福: 圜中爲方者。謂之方圜也。今本周髀算經。九矩矩出於九九八十一之下無萬物周事至謂之方圜也四十九字 條 廣 矩出於九 公韻 所 即 刳 如 看

宋疆土削蹙。鮮域外之交,不能廣取瓌材。以成傑構。燕雲旣不隸版圖。

。吾曹讀營造法式。而知北宋建築之風格。有以異於其他時代也。第一。

又罄於漢唐累代之擷取。海南異值

復艱於運致。材木之窘乏。殆無逾此時

褒斜

巴蜀之木

知北

觀法式

不惟此也

過 海 卷 乏。素有銷金之禁。 所謂雕 南之香木。有淸能取遼東之黃松 廣九寸厚六寸。殿身九間至十一 有貼真金地一條。 云。凡 玉瑱以居楹 **﹐構屋之制。皆以材爲祖。材有八等。** 至裝金鏤錯乃絕未之及。至於珠璣瓊玉之飾 故彩畫制度中 0 裁金璧以 飾 間 璫。 0 地不愛寶 0 絕少金飾 此風至宋而不復覩 則用之。 0 0 以成其鉅 以此 觀 度屋之大小。 法式全書 此推之。 麗 0 其 局 卽金 也 0 0 因 止於第十四 促 丽 五註 元以來。 。更無論 第二 用之。 可 想 0 0 其 第 一 卷中 不 金碧瑩煌之象 矣 知 宋代 似 0 班 襯 有 等 地之法 孟 黄 明 堅賦 。 不 金 能 取

彼 時亦未之能及也 注五)容齋三筆。『真宗以符瑞大興土木之役。--所用有秦隴岐同之松。 六 註 嵐石汾陰之柏

儲。 温台衢吉之檮。永澧處之櫬樟。潭柳明越之杉』。 觀此 則知其取 材之廣。 不過於 从此矣

潭衡道永鼎吉之梌

(注六)宋史神宗紀。『熙寧元年。禁銷金銀飾。』

又孝宗紀。『隆興元年。申嚴鋪翠銷金之禁

燕翼貽謀錄『八年(大中祥符)三月庚子又詔。自中宮以下衣服並不得以金爲飾。 金解金剔金撚金陷金明金泥金榜金背金影金闌金盤金織金金線皆不許造。然上之所好。 應銷 金貼金縷金閒 終不可得而 絕也。 金戧 金圈

第三。 革 0 法式成書。 知徽宗之崇尙花石。 雖 在 大觀 以 以園: 前 0 林山 然第二十七 「野之景。見其別裁雅調 卷 已有壘 石 山 泥假 0 亦爲吾國 山 盆 Ш 諸 建築風 法 0 格 又觀彩 一大變

圖樣。以淡雅爲宗。知風氣之有開必先也。

七註

李明仲之紀念

注七)宋東京攷引宋史筆斷『 旣 而作萬歲山 運四方花竹奇石。積累二十餘年 0 Щ 林 高深 千 嚴萬壑 麋

木經。 自攷工記以後。未見工書。 八註 鹿成群。樓觀臺殿。不可勝紀。又令苑囿爲白屋。不施五采。多爲村居野店之景。 則此書尤爲星鳳之僅存。當時宋氏君臣。 極爲精詳。 此書葢過之。 更未見專言建築之工書 0 (四庫總目誤引爲陳振孫書錄解題。 固尙知愛護。 。晁公武郡齋讀書志云 據進書箚子稱『 0 木經旣已久佚 竊緣上件法 世 謂 喩 皓

於是有淸末季。江蘇圖書館 樂大典。補其錯漏 本。今之殘葉。 又據影寫本跋語云。平江府。今得紹聖營造法式舊本。并目錄看詳。共十 依海行勅令。 式。係營造制度工限等。 五年五月十一日校勘重刋。是爲紹興重刋本之由來。崇寧本必毀於靖康之亂 。求之不得。庚辰歲。家月霄得影寫述古本。 本。其跋云。誉造法式。自来槧旣佚。世間傳本絕稀 始亦於宋元間散失殆盡 頒降取進止 似卽此本所 稍成完璧 關 0 。正月十八日。三省同奉聖旨依奏 防功 0 出 據焦竑經籍志 有張氏影宋本。 0 料 顧書藏天府 四庫全書 0 最 爲要切 0 0 箸錄此書 據范氏天 0 於郡城陶氏五柳居 其眞爲原影本與否 人間末由 0 内外皆合通行 閣藏 流布 0 知明萬 相傳錢氏述古堂 本 0 حبيا 道光辛已。 0 著錄於政 是爲崇寧刋本之由 臣今欲乞用 。不可知 0 假歸手自影寫云云 0 明 内府尚 書類 应册 張蓉鏡有手鈔 。而今日尙能 。有影宋鈔本 。 而 小字鏤 有 0 0 復檢、 说存` 紹 紹 興本 興 來 版 之 +永

公諸人間者。惟此與四庫本而已。

預皓。 注八)按喻皓事。歷見歸田錄。楊文公談苑。 或作喻浩。或作喻皓。故事流傳。頗雜神話 玉壺清話 歸田錄載其有木經三卷。行於世。今無傳本 後山叢談 0 夢谿筆談。 佛祖 統紀 。等書 其名或作

志事。 先生其他著作。不專屬於營造者。據墓誌。 卅三十一兩卷。大木作制度名目。繪今制圖樣 木。復以大木作制度。最爲結構之主要。爰覔舊京承辦官工之耆匠賀新賡等。 者正之。明知其誤 然此兩本。終未爲世人所屬目也 全工旣蔵 四兩卷 三卷。馬經三卷。六博經三卷。古篆說文十卷。(錢遵王讀書 而其書累版風行。 0 爰又屬陶君湘 亟 以付之影印 著書旨趣 爲彩畫 0 更益以歷來書目之攷證 作制度 **徧於大地。著作傳世之不易** 與是書之所以足重者 取文淵文溯文津三本 傳播始漸 0 而無可依據者 0 僅注色名 廣 0 然奪誤 。民國八年 0 0 0 與 無 則仍之。 、夫先生之墓誌 由 頗 0 0 暨吳興蔣氏密 豁然心目 甚 張 有續 顯 0 0 於是漸了 理董 0 。俾得對勘之便。又原書第三十三。三十 啟鈐在南京圖 0 顯晦 亦爲 Ш 海經十卷 羅艱 0 之有時 按圖 蓋自先生削 可 0 釋讀 韻樓藏 俾讀者怡然展卷 0 傅彩 心 書館 0 0 0 知發揚之有 續同 於此 敏 舊本 遂仿崇寧殘本 0 求記 以傳 稿 (。 瞥見: 2誠足動 之日 互勘 姓名錄二卷。 其疊量 0 陸友仁研 待 此 0 0 (人深) 缺者 凡 而 也 書 閲 先 相宣之制 板式精 0 按原 驚異 長思矣 更越六 八百 補 生之平生 琵 北 之 一琶錄 年 繕鋟 (寶愛 0 誤 年 0

同)則今皆無復傳本矣。

傳逾多 卷。 按其所載。想像存之。此又營造法式成書以後。之進化情形也 於會典。 乎今不可復見矣。明清兩代會典 俚。爲官府授受之書。然使得此一卷。以較量宋元建築之異同。寧非至可珍視之事 營造法式成書以後宋代官私營建葢卽依爲準則 而可知也。 列在李書之前。四庫存目中。有元内府宮殿制作一卷。是永樂大典本。 0 倍爲周悉。故居今之世。 乾隆以後 然類此之書繼起者無聞 0 工部內府苑囿 0 陵墓 雖工師耆宿 統攝諸工程營造則例。其詳過於李書 焉 0 0 惟明焦竑經籍志 工程做法則例之書 0 0 日見凋零。魯殿靈光 此觀周 必大思陵錄所載脩奉及交割公文 0 有營造正式六卷 0 盈架累帙 0 漸亡 0 散 時代 提要詆 短矱 落 梓 人 通近 間 /遺制八 猶 。 惜 其鄙 流 能 比

隆寺。 cole FIrancaise d.Extréme-orlent XXV(1925) 又如葉慈氏有論關於中國建築之書籍一 美國白林登雜誌,The Burlington Magazine March 1927此又先生之書及於國外之影響也 如德密那維爾氏 M.P. 向來之疑問 自法式印行以後不及十年。中外學者不獨頓增研究營造之興趣。且多引用此書。 以及伊東忠太伊東清造中村達太郎諸氏 如大村西厓氏之塑壁殘影以之研究再直保聖寺 Demieville 有評營造法式 一篇。 。莫不轉相援引。 載於法國遠東學院雜誌 。濱田 奉爲準繩 耕作氏之研究日本法 歐美學者則 篇 Bull de l'E 以 載於 解决

明仲之人格

者也 敦匠事 事者也 則先生深於佛法者也 藝事者也。墓誌又稱調曹州濟陰縣尉。濟陰故盜區。公至。則練卒除噐 公以五 下。則先生深於書法者也 千卷。工篆籀草隸 中圖樣。固非善畫者不能指導 先生席祖父之餘蔭。 方圜經圍之準。則先生深於算法者也。測景望星 若其專長藝事。剖析: 得劇賊數十人。縣以清 九註 馬 圖 進 。治具穿。力足以 。墓誌又稱初正 0 睿鑒稱 0 皆人能名 精微。葢非天授專門之能 累代通顯 墓誌 議 善 白竭 淨 0 疾病 0 墓誌又稱所著書 0 則先生深於圖 又知號州 又稱公資孝友。 0 。據墓誌 0 0 然上賜不 公賜告歸 嘗纂重修朱雀門記 當少年時 稱善畫 敢辭 層者也 獄有留繋彌年者。 0 0 又許 0 殆全致力於學問 樂善赴義 有琵 0 0 。不辦也 得古人筆法 則 挾國醫以 0 。 以 正 一語錄 以 墓誌 0 與浮屠氏 以 远方 0 小篆書丹以進 又稱家藏書數萬卷 0 0 喜周 馬經 行 法式看詳 公以立談判 0 0 0 0 至是上特賜 上聞之。遣中貴人諭旨 人之急 則先生深於天文者也 其博貫古今。 0 博經 爲其所謂 0 列 0 0 則先 舉 有旨 則先生深於音樂 0 明購罰 釋 錢 則先生深於吏 周 0 百萬 其 手 勒 生深於情感 迦 髀 亦 佛 石朱岩 固 九 像者 , 鈔者數 廣 章 其 公曰 方 雀門 所 書 爲

注九)先生墓誌 。爲程俱代傅冲益所作 誌稱傳初爲鄭圃 治中。始從公游。及代還京師。 久困不得官

遇公

爲大匠。遂見取爲屬云云。墓志紀載翔實。其感德酬恩。溢於言外。則先生之深於情感可知

著有麟台故事。北山小集諸書。此墓誌即載北山小集中。宋史稱其文典雅閎奧。爲世所稱。殆非溢美 至代作墓誌之程俱。北宋之末。曾官將作監丞。傅冲益亦久官將作。殆以同僚之雅。而丐之誌墓之文。程所

式觀遺載追想先生爲人。則必聰明早達。好學篤古。以其餘暇。游於藝林。 而不礙器局之凝鍊。溫恭孝友。而不墮動止之迂疏。異代蕭條。風徽未沬。興言先正 坦蕩恢宏

紀念之意義

心嚮往之。

本社之職思。庶幾能採賾索隱。窮神知化。以益張我先哲之精神。故特取營造二字。爲 之書。治之勤而嗜之篤。慨念先生。篳路藍縷。以啟山林。雖類列未宏 本社之稱號。以志不忘導夫先路之人。奉茲典型。傳於勿替。 先生之書。重刋廣布。 亦越十年。而中國營造學社。始克成立 |。社中同人。類皆於先生 。而端緒已具。

達 惟是先生遺著。旣別無傳本。手蹟書畫 。同情本社之志業者。羣策羣力。搜採表揚。實不任翹企欣慕之至 。亦均未見。殊不足以遂展慕之忱。所願海内宏

中華民國十九年三月二十一日

附錄一

李明仲畫像之意匠

先生一生經歷。略具程氏所撰墓誌中 0 然遺像不傳 。本社陶君洙夙精相術 。兼工寫眞

爰囑其櫽括先生平生性行。 **参稽相書** 0 追摹大概。庶幾心存目想。 奕奕長存 0 雖無老成

人。尚有典型。用慰景行之忱云爾。

陶洙按先生累代通顯。故擬爲頂平額闊。(相書云頂平額闊。必是世家 。又云 0 額方

而闊。初主榮華。

年二十餘。 卽廕官。 有能名。 故擬爲天庭高聳。 相書云。天庭高聳。 少年富貴可期

。)

元祐七年。遷將作監主簿。由是累遷。仕途平進。是年先生約二十八歲。故擬爲印堂

平滿。(相書云。二十八遇印堂平。少年得意發功名。)

博學多藝。上結主知。故擬爲疏眉秀目 秀高直。身當清職。 又云。 目秀神淸 0 爲聰頴之士 0 (相 書云。眉 。洞中經云 如 初月 0 0 聰明 眼睛大而端 超 越 又云 0 黑白分 。 眉

明者。多攻藝業。異於衆人。

李

十六行太陰部 0 即左右眼角。 相書云 0 眼角低陷。主多淚 0 多淚者。 謂 有 刑 尅 也

祟寧元年。約三十八。爲將作少監。二年。約三十九。外轉。三年再入將作 此 數年皆在眼運中。故擬爲睛黑尾長。(相書云。睛黑尾長。必近君王。 又五 年

四年。約四十一 。行山根運 0 以印堂證之。 故擬爲端直 ° 相書云。 山 根 不斷 無偏 欹

。富貴榮華應壯期。按鼻梁上端。爲山根。)

大觀 之太陽太陰部。以行太陰部時。丁母憂。今行光殿部時。丁父喪。可證先生於此兩 部。四十三歲行光殿部。此兩部低陷。妨父母。云云。此兩部在山根之旁。緊連眼角 元年。約四十三。行光殿部。丁父喪 0 故擬爲低陷。(相書云。四十二歲行精舍 部

三年服除 四年卒於官。約四十六。正行兩顴運。大概先生中峯高聳。而 爲財星。 管中年之造化。又云鼻梁端直 知號 州 0 約四 干五 。行鼻部之壽上位 。上接山根。下連年壽。 0 是以擬爲端直 高隆 左右兩顴不 無節 不宜起 0 相 起 節 書 云 所謂 鼻

位。低陷無疑

也

三峯不齊。 故擬爲兩颧有骨而無氣。以示終於位也。(相書云。 兩 顴 無氣主 区 咎

綜觀先生一生。衣祿無虧 。可知三停平等。 (相書云三停平等 0 生衣祿無 虧)富

於思想。才藝過人。 故擬爲額大鼻高。 (相書云。聰明之士。額必大。有專門之藝者

。額必高。)

表淑性。夫人偕老。故魚尾無紋。子女皆全。故淚堂平滿也 孝友樂善。喜周人之急。是有忠厚篤實之風。儒雅端凝之度 0 鬚朗以示好學。 相書云 0 奸門魚尾紋 口端以

多。一妻難偕老。又云。淚堂平滿子息多。)

上述相書係根據神相全編。 圖 書 集成 本柳莊相法。麻衣相法。相理衡眞諸書。

附錄二

祭文

馨香。 構奕奕 工。剖析微茫。領官將作。埀制矞皇。赫赫有宋。濬哲維商。運集熙豐。百度更張。崇 生之靈曰。於戲。先生華冑之光。天挺畸哲。般倕可方。窮神知化。出言有章。導源考 惟中華民國十有九年三月二十一日後學朱啟鈐等謹以淸酌庶羞之儀致祭於有宋明仲李先 風徽 尙饗 長往 。大風泱泱 。榘矱不忘。庶竭駑鈍 。椅桐梓漆。扂楔桷杗 。差遂扢揚 創制 0 尙想神靈 顯庸。率秉有常。閱祀八百。積久彌昌 。下乎大荒。敢陳薄薦 式格

李明仲之紀念

附錄三

徵求宋李明仲逸書遺蹟啟事

以是日爲李明仲紀念會。亟思蒐集李氏遺文。闡繹表章。以志景仰 宋李誡。字明仲。所著營造法式。業經本社刋行。攷李明仲。歿於宋大觀四年二月壬申 錄李誡新集木書一卷。程俱所撰李誡墓志。又稱李氏所著。尙有續 朱雀門記。均無傳本。海內外收藏家。如能以上述圖籍。及李氏所作書畫。墨蹟見示者 名錄二卷。琵琶錄三卷。馬經二卷。六博經二卷。古篆說文十卷諸書。又篆書勒石重修 0 卽西歷一千一百一十年。三月二十一日。今年恰值八百二十週忌 極所欣幸。如可割愛。不吝重酬。 大雅閎達。庶幾鑒之。 山海 0 。本社同人發起 惟宋史藝文志 經十 卷 。 續同 0 0 著 姓 卽

李明仲先生墓誌銘

致方物 宋故 夫。 之塋。公諱誠 紹聖三年 大中大夫。 大觀四年二月丁丑。今龍圖閣直學士李公譓。對 復召入將作爲少監 營造法式 別官其一子。公之卒二月壬申也 大夫知虢州 以宣德郎 其考工庀事。 廣方略 祖諱惇裕 ?中散大夫知虢州軍州管句學事兼管內勸農使賜紫金魚袋李公墓誌銘 恩補 0 0 書成 得劇財 以承事郎、 贈 爲將作少監 有旨趨召 郊社 左正議大夫 字明仲。鄭州管城縣 0 故尙 必究利害堅窳之制 、凡三十四卷 齋郎 數十人。縣以淸淨。遷承務郎。元祐七年。以承奉郎、爲將作監 辟 書 爲將作監丞。元符中建五 祠 。後十日 雍 。二年冬、 0 部員外 (。元豐) 調曹州 成 0 遷將: 0 濟陰 詔 郎 八 0 0 越四 龍圖: 請 年 作監 頒之天下。 人。 0 **医縣尉。** 外 祕閣 堂構之方 0 曾祖諱 以 月丙子。 哲宗登大位 復奏事殿中。 0 便養 再入將作又五年 校 濟陰 理 已而 惟寅 0 0 0 其孤葬公鄭州管城縣之梅 垂拱 以 贈 與繩墨之運 王邸成。遷宣義郎。 通直 故盜區。 司 0 丁母安康 0 故尙 旣 正 徒 0 議 以號州不 郎 上問弟誠 0 父諱 時 . 書虞部 0 郡夫· 公至 爲河北 爲京 其遷奉議 0 皆已了 南 員外郎 ·祿聞 所在 公。 西 人某氏 0 轉 轉運 則練卒除 然於 時公在將: 故 郎 運 0 0 上嗟 判官 喪 副 龍 龍圖言方 益爲 0 ` 以 心 使 贈金紫光祿 山 圖 0 作傅 崇寧 器 尚書省 閣 惜久之。 0 0 沖 從先 以 直 遂 作 不 0 公奉 以 被旨 明 數 主 學 且 元 簿 中 角 尙 購 士 年 0 八 詔 散 其 罰 表 著 年 大 書 0

李明仲先生墓誌銘

又嗟詠 王氏 夫之所能知哉。及觀周之小雅斯干之詩。其言考室之盛。至於庭戶之端 得古人筆法 孝友。樂善赴義 者。公以立談判 籀草隸。皆入能品。嘗纂重修朱雀門記 與浮屠氏。 部年格遷者。七官而已。大觀某年。丁正議公喪。初正議疾病。公賜告歸 遷承議郎 以行。至是上特賜錢百萬。公曰 其遷中散大夫。以欽慈太后佛寺成。大抵自承務郎、 咨而後命之。蓋其慎且重如此 卷。續同 **騫揚。奐散之狀。而實本宣王之德政。魯僖公能復周公之宇。作爲寢廟。是斷是** 封奉國郡君。 九成殿。其遷朝散大夫 爲其所謂釋迦佛像者 。上聞之。遣中貴人諭旨。公以五馬圖 以龍德宮 姓名錄二卷。 。喜周人之急。又博學多藝能。家藏書數萬卷。其手鈔者數千 0 未幾疾作、遂不起。 子男若干人。 ` 棣華宅 琵琶錄三卷 以開 其遷朝奉郎 0 ` 0 女若干人云云 以侈上恩 敦匠事、治穿具。力足以自竭。然上賜不 對府廨 誠以授法庶工 吏民懷之。 。以小篆書丹以進。有旨勒石朱雀門下。 0 馬經三 而報罔 0 賜五品服 其遷右朝議大夫、 卷 0 0 沖益 如久被其澤者 進。睿鑒稱善。公喜著書 極云 0 使棟宇器用 六博經三卷 觀虞舜 0 至中散大夫。凡十六等。 以朱雀 服 除 命九 ` 阿。 知號 0 賜三品服 0 0 不離 官 古篆說文十 蓋享年若干 其遷朝奉大夫 0 州 於軌 而 。楹椽之美。 獄有留 埀 。又許 0 共 エ 物 敢辭 以 有續 卷 卷 修 0 此 居 善畫 公資 挾國 「繋彌 奉 。 工 。則以 其 其 豈 山 太 以 以 且. 飳 醫 海 年 吏 廟 景

有其躬 來 仕 之志 資 圃 遠 子攸寧、孔曼且碩者。 度 地不愛材 不 治中 秩 無大小。必見其賢。無不自盡 0 有 謁 。緊職! 是尋日 巍然沛然 О 而 生會終。 緊公德是賴 0 何適 擇 始從公游。及代還京師 是尺 。工獻其巧。 則然。公爲 0 非安 爲利則斷 0 0 公有貽 與 圃 奚斯 Ш 0 0 唯命之從 既日夕後先 ፲፱ 視宣王僖 而公獨膺埀奚斯之任者、十有三年。 憲 一尉。 0 侔其大也 實授法於 爲堅則擊 0 窾 **羣盜斯得** 辭 0 譬之庀材 庶 貞 0 0 。久困不得官。 公之世爲甚 0 以虔所天。帝以 熟公治身臨 而 珉 0 工 埀在 後 0 0 盡 。公在將作 方紹聖崇寧中 以先王之制 力之勸 九官。 0 唯匠之爲 陋 政之美。 。而公實尸其勞。 世 遇公領大匠 爲能。 載 0 0 「厥賢 寢 施 0 0 爾 廟 泣 之寢 聖天子在 世以爲才。 奕 極 丽 0 以結 奕 曰汝 爲 0 廟官 而 遂見取 0 銘 極 浜 工 爲埀奚斯 可 睿知 上 寺棟宇之間 0 0 爾 銘 謂 0 勞能、 榱 爲 政 0 日 盛矣 0 沒齒 致顯 之流 屬 而 0 實 0 榱 維 0 0 多。 寖以 以 不 沖 位 仕 行 0 0 爰 益 遷 當 亦 慕 0 福 帝 微 譬 初 所 是 君 德之高 0 勞 謂 祿 匪 爲 績 時 在 0 具 不 竊 鄭 食 鎔 君

寫學士。三十 歸安姚氏咫進齋所藏鈔本錄 述稱名處 右誌銘在 程俱 均 書某 北 四卷誤寫二十四 山 小 茲皆塡 集中 0 注 人 注 卷 0 稱 0 簽注影宋 以 則改正 爲 便 傅 **冷**覽者 沖 益 0 0 作 訛 惟 0 傅 字 北 未敢 捝 山 小 誡 之屬 集 0 宋刻 吏 0 惟 0 篇中 以 紹聖誤 後 於誠之諱字 寫紹 傳 本 興 絕 0 希 學 궟 此 傅

據

自

李明仲先生墓誌銘

李明仲先生補傳

明銳 其遷承 宣德郎 譓 入將作 郎爲將作監丞。元符中、建五 龍 始補 尙 誡 泂 圖 0 北 閣 書祠部員 、字 銘 墓 官 八。縣以 議 直學 爲將作少 轉 南宋 0 誌 九 爲 朔 郎 公中 尙 運 字智 元成殿 仲 調 少監 士 副 清淨 曹州 外郎 以 使 0 大觀! 0 0 甫 藍 鄭州 龍 對 歷知永興軍成都真定河南府 0 0 0 0 其遷 德宮 辟 。遷承務郎 濟 **延拱** ° — 遣 0 口 年 紹聖間 陰縣 雍成 祕閣校理 管 誡 一年冬、 朝散 城 ` 奉表 0 0 尉 棣 縣 疾病 銘 墓 ` 遷將 大夫 華宅 0 人 知 章 誌 0 0 請 王郎 濟 致 0 後歷數 0 0 元 作 陰 贈 外 曾祖 方物 0 0 賜子誡告歸 邱 監 祐 以 其 成 故 司 ` 縣 以 七年 遷 徒 開 盜 惟 0 0 郡 0 0 1.(二:) : (便養 遷宣 品 朝 再 恩補 累任 封 寅 卒 0 奉 人 府 0 0 0 以 0 鄭州 郎賜 將 誡 義郎。於是官將作者且 郊祀 尙 廨 鄜 南宋 0 以通直郎 承奉郎 作者 至 書 延 許挾國醫以 0 公史 則 其遷 五. 齊郎 帥 [虞部] 。擢龍圖閣直學士。爲吏六十 傳 李 品 練卒除器 0 0 元豐八 、爲將作監主簿 右 徙 又五年 服 **基誌銘字楚老** 0 、爲京西轉運 外郎 朝 永 0 大 墓 以 興 議 行 年 臣 誌 朱 大夫 0 0 0 子銘 0 0 0 雀 其 明 及 卒 贈 南宋 弟 哲宗登大位 (遷奉議 賞罰 0 門 公 史 。宋 0 賜三品 傳 李 紫 八年。崇寧元 進士及第 判 廕 史 ` 0 其遷. 光 贈 官 官職 大 郎 左正 聖三年 廣 觀 禄 官 0 0 朝 服 不 方 大 四 初志 0 奉 以 略 議 數月 夫 父南 0 年二月 試及 以 大 尙 大夫 年。 神宗 0 郊選 0 修 夫 年 以 得 公 祖 書 祀舉 奉 幹局 復召 惇 0 省 承 劇 時 0 齋 志 0 0 以 太 官 兄 以 時 賊 裕 0 事 郎 0

本 長 續 隸 仁以與 民 極 未 之制 廟 吏部 0 仁。請卽國丙己之地及元符三年成書奏上。無人匠講説。分明類與 以 懷之。 末編。紀 力足 送詳 同 葬於鄭州 0 0 姓 法 皆 服 其 年 名錄 除 事 堂構之方 -格遷 以 誡 能 如 自 仍令將作 (中散大夫。以欽慈太后佛 ` 以中散· 聞之、 管城 性 者。 竭 品品 二卷 久被其 用材制 孝 。然上賜 0 友。 源系之梅 七官 嘗纂重 0 0 遺中貴· 〈澤者 與 大夫. 監 琵琶錄 度 式。看 樂善赴義 。例 綖 李 建 而 知號 墨之運 誠 修 0 不 明 0 Ш 已 堂。 其 詳 朱 時 敢辭 崇寧 0 0 0 間 0 諭 元符 州 老 雀 誡 方有旨趨召。其兄譓 同 繪圖 工紹 阿記 0 旨 博 0 0 四 0 舜仁上殿。八月十六日 0 喜周人之急。丁父喪 學 獄有留繋彌年者。 則以 料聖 皆已了然於心 中 0 年 馬 多藝 誡 太 四 持成 獻上。上曰、先帝常欲爲之。有圖 七月 經三 0 寬年 官 以 以 與浮屠氏。爲其所謂 五. 能 · + 將 小 一卷 0 馬 大抵 篆 齃 作 0 十 0 圖 家藏 防月 書丹 六博經三卷。古篆說文十 0 七日 進 無二 建五 自承 0 0 書 術 日 以 以 遂被旨著營 睿鑒 誡以立談判。大觀四年二月壬 0 務郎 數 進 上 o \pm 宰 0 萬 聞 敕 奉 ` 邸 相 誠與姚 有旨 誡敕 卷 0 成 0 蒻 蔡 徽宗 至 釋 重 以 0 0 錢 京 勒 其 迦 造 其 中 別元 喜箸書 白 等 手 佛 舜仁 散 法 考 石 嗟惜久之。 編祐 萬 進 鈔 像者 朱 大夫 修營 式 工 0 者數千 呈 雀 進 。造 庀 誡 0 0 門 見 0 明 書 0 卷 0 誡 法 事 有 \Box 凡十 庫 下 在 以 乃 式 成 續 0 0 部 禁中 詔 侈 圖 必 卷 考 敦 0 ` 山 別官 ·六等 上 員 詔 究 善 0 究 祇 海經 匠 0 誌 Τ. 恩 外 書 审 利 事 0 羣 是 頒 資 楊 然考 其 篆 之天 治 郎 害 卒 丽 治 仲 書 料 0 得 其 籒 報 卷 穿 通良 姚 。狀 堅 0 子 古 吏 真 下 窳 草 罔 鑑續究 以 0 幷

其憂。 律 繹 餘所著 器之分。不爲立傳。 遷官。悉以資勞年格。蓋一 世 年而語矣。方今科學昌 案李明仲起家門 知人 0 0 靡不有薪盡 匠作奉爲準繩 奉敕重修營造法式 (。固不止懷鉛握槧者 。 0 如續山 廕 火傳之義 海經等書 0 其事 亦何 官 將 明 0 其 所 作 0 。况審曲 0 鏤版海行。 各有 譏 心 雖已亡佚 .者十 人。 營職。 0 心嚮往之也。乙丑十月 皆有 條貫 彼梁 ·餘 年 面 不屑 埶 裨於考鏡 0 師 0 而絕學之延。 明仲: 0 成 而覃精研思 身立紹聖元符文物全盛之朝 朱 詭隨 智創巧述。皆聖人之作士大夫之事乎。 此 勔 之徒 書 0 0 故 以希榮利。 0 刺 類 0 0 遂能繼往開來 長惡 取 例 亦可概見。夫薄技片長。一 0 幸書. 相 合肥闞鐸 從 逢 宋史囿 所紀 君 0 條 0 事 章 列 0 0 於義例 蹟 名 具 0 爲不朽之盛業 誉 在 侫 彙 幸 國 官 而 建 0 斤斤於道 更不 國 書之。 司 用 0 明 經 爲 可 職 論 仲 自 科 思 同 衍

A Chinese Treatise on Architecture

W. PERCEVAL YETTS

[Reprinted from the BULLETIN OF THE SOHOOL OF ORIENTAL STUDIES, LONDON INSTITUTION, Vol. IV, Part III.]

A CHINESE TREATISE ON ARCHITECTURE

By W. PERCEVAL YETTS

The Chinese have held to the architectural standards of the past no less tenaciously than to other traditions of their ancient civilization. Buildings standing at the present day testify to this fact, and innumerable written records indicate a continuity of architectural practice lasting more than 2,000 years. The probability is that foreign importation has affected Chinese architecture least of all the arts. Buddhism introduced certain Indian forms: the cenotaph or reliquary, the pyramidal monastery, and perhaps the curved roof later. Numerous decorative motives from many parts of Eurasia have been turned to good account by Chinese interpreters. But the borrowings from abroad have done little more than to modify superficially, here and there, native methods of construction.

Written evidence shows that the erection of palaces and public buildings has always been a care of the State. Unfortunately, extant remains of governmental codes regulating architecture are much scantier than those concerned with other departments of the administration. Moreover, the art of building has not called forth scholarly treatises to the same extent as art expressed in portable objects which appeal to collectors, for instance: paintings, bronzes, and jades. And technical methods have been an oral tradition handed down through generations of practising craftsmen who are the real architects of China. Thus the literature of architecture is small; in fact, so small that the book which is the subject of this article is the sole surviving work of importance.

About A. D. 1070 the Emperor of the Northern Sung dynasty, reigning at K'ai-fêng, ordered the Inspector of the Board of Works to compile a treatise on architectural methods based on ancient tradition and information preserved in the official archives. The resultant work was finished in 1091, and it bore the title of Ying tsao fa shih營造法式, that is, Method of Architecture. Six years later, Li Chieh李誠, an Assistant 丞 of the Board, received the imperial command to revise the book. In 1100 the amended version under the same title was finished and presented to the throne. In 1103 it was printed, and copies were distributed among the Government offices in the capital. The likelihood is that the blocks and many copies

¹ For sake of brevity, Li Chieh's treatise will be indicated thus: YTFS

were destroyed during the troubles of the ensuring years. In 1126, when K'ai-fêng was taken and pillaged by the Nü-chên Tartars, all the official buildings and their contents were destroyed. The reigning family fled to the south, and eventually established the court at Hang-chou. The Emperor Kao-tsung (1127 – 62) built a library, and offered rewards for contributions of books. An "old copy" of YTFS came into the hands of the officials at Su-chou, and from it in 1145 they had blocks cut and a new edition printed Manuscript copies of this 1145 edition are all that are known to survive at the present day of the YTFS, except one folio and a half, presumed to be relics of the first edition, as will be described later.

In 1919, a manuscript copy, kept in the Chiang-nan Library at Nanking, was examined by Mr. Chu Ch'i-ch'ien朱啟鈐, who had been Minister of the Interior under the presidency of Yuan Shih-k' ai. and is now Director-General of the Chung-hsin Mining Company. After consulting Mr. Ch'i Yao-lin 齊耀琳, the Civil Governor of the province, Mr. Chu decided to publish it, and accordingly an edition was printed by photo-lithography. This was smaller in size than the manuscript; but afterwards, in 1920, a photo-lithographed facsimile of the manuscript was published by the Commercial Press at Shanghai. Not long before that, the Curator of Peking Metropolitan Library had found the two fragments which are presumed to have come from the first (1103) edition of YTFS. Recognizing the imperfections of the manuscript reproduced by photo-lithography, Mr. Chu conceived the project of reconstructing the first edition in the form indicated by the fragments. The work was entrusted to Mr. T'ao Hsiang 陶湘. It was published during 1925 in eight magnificent volumes which are triumphs of book-production.

The photo-lithographed edition, YTFS (1920), is the subject of an admirable review by M. P. Demiéville, which is the most scholarly contribution yet made by a Western writer to the study of Chinese architecture. M. Demiéville gives a summary of the text of YTFS as well as bibliographical data. The present article deals mainly with the history of the 1925 edition as set forth at the end of the last volume in an appendix and in an account written by Mr. T'ao Hsiang.

[「]BEFEO, xxv (1925), pp. 213-64. A much shorter review by Professor Naitō Torajiro 内藤虎次郎 appeared in Shina-gaku 支那學, i (1921), pp. 797-9. With the help of Professor Itō Chūta 伊藤忠太 the writer had in 1905 copied the MS. copy of YTFS in the Ssǔ k'u set at Moukden(v. inf., pp. 480,485,488-9).

² An article by the present writer on literature relating to Chinese architecture appeared in the *Burlington Magazine* of March last.

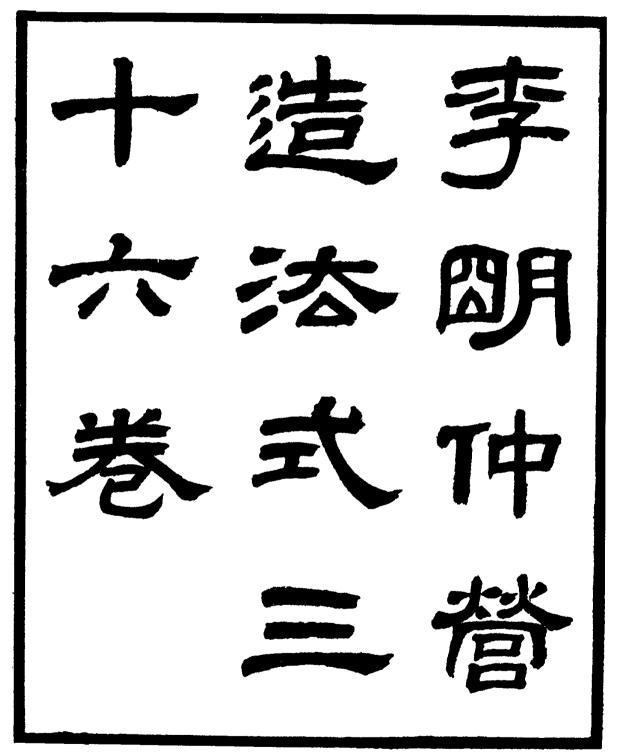


Fig. 1. —Title-page, written: by Mr. Lo Chên-yü, of YTFS (1925). (Size of whole page is $13\frac{2}{5} \times 9\frac{2}{5}$ inches.)

It is a complicated narrative, which includes the bibliographical vicissitudes of YTFS from its earliest beginnings, and it fills twenty-four and a half folios. Too long for literal translation here, I give it in outline.

Note should be made that this 1925 edition opens with title-page (Fig. 1) and foreword written by Mr Lo Chên-yü 羅振玉, and a preface by Mr. Chu Ch'i-ch'ien.

The appendix comprises the following: —

- 1. Biography of the author (v. inf.).
- 2. A photo-lithographed reproduction of the front page of the first folio of chapter eight of a YTFS believed to have been the first (1103) edition.
- 3. A photo-lithographed reproduction of a traced facsimile of the colophon-page of YTFS (1145). A copy of this page appears as the first colophon to YTFS (1920). The edition is here stated to have been based on "an old copy of the shao-shêng YTFS", which probably means the 1103 printed edition. The fact that the 1103 edition had been compiled during the shao-shêng period (1094 8) doubtless led to its being known as the "shao-shêng YTFS" to distinguish it from the yüan-yu 元 佑 (1091) compilation (v. inf., p. 482). The 1145 edition was published under the supervision of Wang Huan, Prefect of P'ing-chiang Fu (Su-chou).
- 4. Twenty-two colophons containing bibliographical matter. An account of these follows later (pp. 478-82), where the colophons are labelled A to V.

Biography of the Master Li who held the decoration of the Red-gold Fish-case³ 賜 紫 金 魚 袋 李 公 墓 誌 銘.

Li Chieh (T. Ming-chung 明仲) was a native of Kuan-ch 'êng 管 城 縣 near the Sung capital of K 'ai-fêng. The year of his birth is

¹ It is reproduced here as Fig. 3. Alongside it for comparison the corresponding page of YTFS (1925) is reproduced in Fig. 4.

² See Fig. 2.

³ This biography, by the Sung writer Ch'êng Chü 程俱, is preserved in his collected works, entitled 北山小集, of which a manuscript copy, formerly belonging to the Yao 姚 family, is now in the Peking Metropolitan Library. Ch'êng Chü (T. 致道) was a native of K'ai-hua開化, and he held the doctor's degree. From time to time he occupied various official posts at the capital. One of them 祕書少監 was that of Assistant Inspector in the Department of Seals and Records. He was a conemporary of Li Chieh, though younger than he. Presumably he knew him personally, and may have served under him. Accordingly this biography is likely to be trustworthy. A short account of Ch'êng Chü appears in 中國人名大辭典, p. 1186.

unknown. In 1085 he exercised the subordinate function of 郊社 齊郎, an official concerned with the sacrificial ceremonies to Heaven and Earth. He was transferred from that to a post in the prefecture of Ts'ao-chou曹州 in Shantung. In 1092 with the rank of 承奉郎 he became an archivist in the Board of Works 將作監主簿. Four years later he was promoted to the rank of 承事郎 and the post of Assistant丞 at the Board of Works. About 1099 he supervised the building of the palace of the Emperor's brother, and when it was finished he received promotion to 宣義郎. Between 1097 and 1100 he wrote the treatise YTFS, but not till 1102 was he appointed an Assistant Inspector of the Board of Works with the rank of 宣德郎. At the end of 1103, in response to his petition for a post outside the capital, so that he might be near his father, he was appointed to duties transport of tribute, connected with the京西轉運判官; but next year he was recalled to his formor functions as Assistant Inspector of the Board of Works, where he remained for five years, When the building of the National Academy 辟雍 was finished, he was promoted to the post of Inspector.

Before Li Chieh reached his highest rank of 中散大夫 (fifth grade of the first class) he had received sixteen steps in promotion, and of these nine were given in recognition of his work in supervising the construction of public buildings. The buildings which chiefly brought him distinction were:

The offices of the administrative department 尚 書 省.

The apartments 棣 華 宅 of 龍 德 宮.

The 朱雀 Gate.

The hall 九 成 殿 of the 景 龍 Gate.

The administrative offices per of the metropolitan prefecture.

The ancestral temple 太廟 of the reigning dynasty.

A Buddhist temple built at the command of the Empress Dowager.

In 1108 Li Chieh retired on account of his father's death. During the latter's illness the Emperor granted him leave of absence, and showed a signal mark of favour by allowing the imperial physician to attend the sick man. The Emperor moreover contributed a sum of 1,000,000 cash for the funeral expenses. This Li Chieh accepted, but expended on Buddhist temples, since he was able himself to pay the cost of the funeral.

In 1110, while Li Chieh held the post of magistrate of Kuo Chou

¹ Thus M. Demiéville's surmise that Li Chieh never attained the post of Inspector (loc, cit., p. 228) lacks support.

號州 in Honan, the Emperor decided to recall him to the capital. He died, however, in the second month of that year, before the Emperor's summons reached him.

Li Chieh's character is described as generous and magnanimous. He was learned and skilled in many of the fine arts. His library contained several myriads of books, of which thousands were manuscript copies done with his own hand. He was noted as a caligraphist in all manner of script, and also as an artist. Indeed, the Emperor once asked him to paint a Picture of Five Horses. In addition to YTFS he was author of the following works:—

續山海經 in ten chapters.

續同姓各錄 in two chapters.

琵琶錄 in three chapters.

馬 經 in three chapters.

六博經 in three chapters.

古篆說文 in ten chapters.

The twenty-two colophons are as follows: —

A. Extracts from 宋 史.

"Memoir concerning Officials 職官志. The establishment of the Board of Works 將作監 included one Inspector 監 and one Assistant Inspector少監. The Inspector supervised affairs connected with the construction of buildings, ramparts, bridges, shipping, and vehicles. The Assistant Inspector aided him in this work.... An imperial decree in 1092 caused to be distributed the Ying tsao fa shih which had been compiled by the Board of Works."

"Memoir concerning Bibliography 藝文志(Category of ceremonial usages in the historical section 史部儀注類): 250 volumes 册 of a Ying tsao fa shih, compiled during the 元祐 period (1086-94) are mentioned, but the number of chapters is not specified. (Category of arts and crafts in the philosophical section 子部藝術類): A New Book on Wood [Construction] 新集木書 in one chapter by Li Chieh 李誠 is mentioned."

B. 續談助by晁載之.

This book¹ contains passages of YTFS which is here stated to have been finished in the first month of 1103. The author's name is given as Li Ch'êng² 李誠, and his official status as Assistant Inspector of

¹ A collection, dated 1106, of extracts from a number of books, many of which are now lost; v. Pelliot, BEFEO, ix (1909), pp. 236-45.

² This error in his name is discussed later, v. inf., p. 488.

the Board of Works (v. A) with the rank 通 直 郎 (fourth class of the sixth grade). Note is made that, though the author puts the number of chapters at thirty-six, the YTFS has actually only thirty-four.

C. 郡齊讀書誌 by 晁公武.

This book dates from the middle of the twelfth century. It states that "Li Chieh received the imperial command to revise a Ying tsao fa shih which the Board of Works had in the 熙寧 period (1068 – 77) been ordered by the Emperor to compile. He considered the book imperfect; so he searched the classical canons and dynastic annals, and also made inquiry among craftsmen and artisans in order to render it complete. His amended version was authorized to be distributed in the Government offices of the capital. The saying was current that the Treatise on Wood [Construction] 木 經 by YüHao 喻 皓 excelled most highly in detail, but this book [by Li Chieh] surpasses it".

D. 書錄解題 by 陳振孫.

A classified and annotated catalogue of books belonging to the \mathfrak{P} family. It dates from the Sung period. The passage quoted here describes YTFS in thirty-four chapters, and a general summary \mathfrak{T} \mathfrak{P} by Li Ch'êng, an Assistant Inspector of the Board of Works, who received the imperial command in 1097 to carry out a revision of the earlier work (v, C). His new version was finished in 1100, and the printing of it was authorized in 1103.

E. 研北雜誌 by 陸友仁.

Written in the first half of the fourteenth century. The passage quoted gives a list of seven works by Li Ch'êng, and among them the YTFS in thirty-four chapters. Except for a small discrepancy in the title 續同姓錄, these are the same as those specified in the Biography (v. sup., p. 478).

F. 稗編 by 唐順之.

A collection of extracts from books of all periods and on various subjects. The author lived in the sixteenth century.

A section of the general summary of YTFS is here quoted. It is entitled Counting Rooms by the Number of Pillars 屋 楹 數 This section is absent from the extant text of YTFS (v. inf., p. 484).

G. 讀 書 敏 求 記 by 錢 會.

The passage here quoted is the afterword written by the author Ch'ien Ts'êng to the manuscript copy of YTFS acquired by him in

1649. From this copy was copied the manuscript reproduced by photolithography in 1919-20(v. J and pp. 484-5). A facsimile of the original afterword appears as the second colophon to *YTFS* (1920) Ch'ien Ts'êng mentions the destruction of the family library in 1650, when a printed copy of *YTFS* (? 1145) perished.

H. 四庫全書總目.

This is the great catalogue of the imperial library under the late Manchu dynasty. Eighteen years were spent in compiling it, and it was finished in 1790. At the time when the catalogue was being compiled, rare books were submitted from all parts of the empire, and certain were copied in their entirety and the copies added to the imperial collection(v. inf., p. 488). One of these was a MS. copy of YTFS (1145), lent from the library 天一閣 of the Fan 范 family at Ning-po. It lacked the thirty-first chapter; therefore, when the copy was made for the imperial library, the great encyclopædia 永樂大典 was drawn upon for the missing chapter, which consists mainly of illustrations.

I. 四庫全書简明目錄.

This abridged version of the foregoing catalogue (H) contains a brief notice of YTFS.

J. 張蓉鏡跋.

This colophon, dated 1821, appears third in the last volume of YTFS(1920). The writer, Chang Yung-ching, at the age of 20, copied a manuscript YTFS as a memorial to his grandfather, who for twenty years had sought in vain to get a copy. The manuscript had been preserved by the Ch'ien 錢 family in their library 述 古堂 at Ch'angshu常熟 in Kiangsu. In 1820 the writer's kinsman Yüeh-hsiao 月霄(Chang Chin-wu, v. K) bought the Ch'ien manuscript from a bookseller named T'ao 陶 at the Sign of the Five Willows 五柳居 in Su-chou. The copying of the illustrations was done by the artist Wang Chün-mou王君某, one of the best pupils of the painter Pi Chung-k'ai 畢 仲愷.

¹ For notes on this vast collection v. Mayers, China Rev., vi(1877 - 8), pp. 215 - 18; BEFEO. ix(1909), pp. 828 - 9, Aurousseau, BEFEO, xii(1912), No. 9, pp. 79 - 87. Originally there were more than 10,000 volumes of manuscript. The printing of it was attempted towards the end of the Ming period, but was soon abandoned. Some volumes had been lost before the burning by the Boxers in 1900. Several hundred volumes are known to have survived the fire. Professor Hu Shih informs me that the rumours of a second manuscript copy are faise.

² Reniniscent of his famous namesake T'ao Yüan-ming, near whose house stood five willow-trees. Hence the sobriquet 五 柳 先 生 assumed by the poet.

K. 張金吾跋

This is the eighth colophon to *YTFS* (1920). It is dated 1827. The writer is the kinsman of Yung-ching mentioned in J.

L. 孫原湘跋.

This colophon, dated 1820, is the fifth to YTFS (20).

M. 黄 丕 烈 跋.

This colophon, dated 1821, is the sixth to YTFS (920).

N. 陳 攀 跋.

This colophon, dated 1830, is the seventh to YTFS (1920).

0. 聞 箏 道 入 跋.

This colophon, dated 1826, is the eleventh to YTFS (1920).

P. 褚逢椿跋.

This colophon, dated 1828, is the fourth to YTFS (1920).

Q. 邵 淵 耀 跋.

This colophon, dated 1828, is the ninth to YTFS (1920).

R. 錢泳跋.

This colophon, not dated, is the thirteenth to YTFS (1920).

S. 鐵琴銅劍搂書目by 瞿鏞.

This is the catalogue of the Ch'ü瞿 family library at Ch'ang-shu 常熟 (Kiangsu). It was compiled about the middle of the last century by Ch'ü Yung, but not published till many years later. ¹

Note is made that the manuscript copy of YTFS in this library was ultimately derived from YTFS (1145), but through several successive copies. It contains the colophon-page (Fig. 2). Internal evidence indicates that neither of the MSS. described in J was used in the making of it.

T. 藏 書 志 by 丁 丙.

The full title of this library catalogue, dated 1901, is 善本書室 藏書志. The entry here quoted refers to a YTFS in thirty-six chapters, which was acquired from the library of one 李伯雨; and is, in fact, the same MS. that appears in YTFS (1919-20). v. J, K, and p. 485 below.

U. Preface by 齊耀琳 to the photo-lithographed 1920 edition, entitled 石印管造法式.

Dated 1919, it appears as the second preface to YTFS (1920) The writer, Mr. Ch'i Yao-lin. was Civil Governer of Kiangsu the year

¹ v. Pelliot, *BEFEO*, ix (1909), pp. 212, 468, 813, and Aurousseau, *BEFEO*, xii (1912), No. 9, p. 64.

that Mr. Chu Ch'i-ch'ien came to Nanking as chief of the Peace Delegation from North China. Together they visited the public library for which some ten years previously the Ting collection $(v.\ T)$ had been bought by the viceroy Tuan-fang 端方 $(v.\ inf.,\ p.\ 485)$. They saw there Chang Yung-ching's transcript $(v.\ J)$, and the decision was made to publish it.

V. Preface by 朱 啟 鈐.

This is a copy of the first preface, undated, to YTFS (1920).

After the appendix comes an account 識語, nine pages long, by Mr. T'ao Hsiang, who signs it in the intercalary fourth month(22nd May to 20th June) of 1925. The writer is a native of Wu-chin 武進 (formerly 常州) in Kiangsu. He outlines the bibliographical history of YTFS derived from criteria assembled in the foregoing appendix, and to this he adds information concerning the production of the 1925 edition. In the following abridged translation the various items of the appendix are indicated by the letters of the alphabet used above to label them:—

The YTFS in thirty-six chapters by Li Chieh, an Assistant Inspector of the Board of Works under the Sung, is a revised version of an earlier work compiled during the hsi-ning period (1068 - 77), and finished in 1091 (v. A, B, C, and D). The second version was udertaken in 1097, and it was finished in 1100. Authorization was given in 1103 for it to be cut and published. This is the ch'ung-ning (1102-6) edition. In 1145 Wang Huan 王晚, an official of P'ing-chiang Fu, obtained an "old copy of the shao-chêng period" (v. p. 476 and Fig. 2), and had it recut. This is the shao-hsing (1131-62) edition. B and Chuang Chi-yü 荘季裕 in his 雞肋編, dated 1106 and 1133 respectively, each refers to a copy of YTFS. The fact that these writers copied a number of passages from YTFS is evidence that the work was highly valued at the time. D mentions Li Chieh's 2 revised version of YTFS in thirty-four chapters, and one chapter containing the general summary, but omits to notice the table of contents. C puts the number of chapters at thirty-four without either table of contents or general summary. T'ao Tsung-i 陶宗儀 in his Shuo fu 說郛 refers to a Method with general summary and various sections, but he

¹ Strictly speaking, the author had not yet attained the post of Assistant Inspector when he wrote the treatise, since his promotion did not occur till 1102. See his Biography, p. 477.

² Actually D writes "Ch'êng" instead of "Chieh", as also do B and E. On this error, v. inf., p. 488.

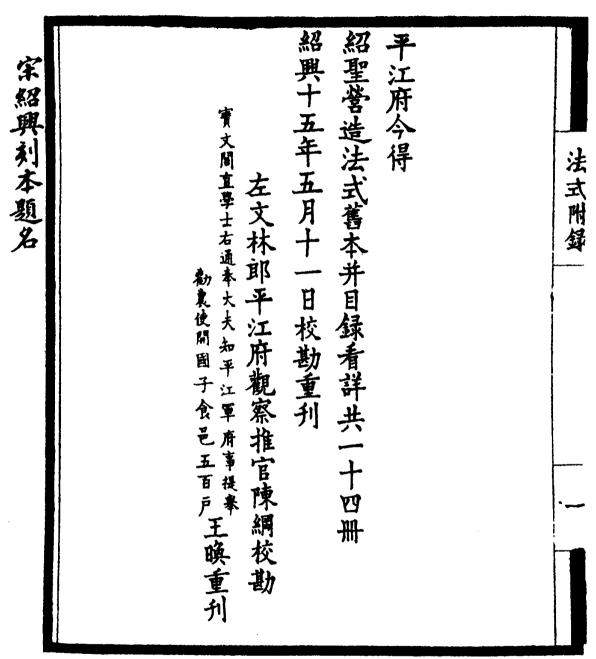


FIG. 2. —Traced facsimile of the colophon-page of YTFS(1145), reproduced by photo lithography in YTFS(1925).

calls it a *Treatise on Wood* [*Construction*] 木經 by Li Chieh. F describes an edition of which the table of sections in the general summary has a section on *Counting Rooms by the Number of Pillars* 屋 楹 數 which is missing from the extant book. Is it possible that the copy he saw was the first(1103) edition?

The YTFS in the library of the Ch'ien family (v. J) had twentyeight chapters, six of illustrations, one of general summary, and one of table of contents—thirty-six chapters in all. It opened with Li Chieh's memorial of presentation, his preface and the imperial rescript which authorized the printing of the work. It ended with the colophon-page giving particulars of the 1145 edition (Fig. 2). There were twenty columns on each folio. and twenty-two characters to each column. In this copy the characters 桓 and 構 (names respectively of the two emperors who reigned from 1126 to 1162) were tabooed, an indication that it was derived from the 1145 edition.

The colophon by Ch'ien Ts'eng(v. G) states that the YTFS in the Ch'ien family library was the copy which his senior relative Ch'ien Ch'ien-i 錢 謙 益 obtained from a member of the Chao 趙 family, and sold to him in the spring of 1649. Ch'ien Ch'ien-i possessed a printed copy, which had come from an old family of Liang-ch'i 梁谿, but it perished in the fire which destroyed his library in 1650. The aforesaid copy was handed down from generation to generation. According to L the catalogue of the library 述古堂(i.e. of Ch'ien Ts'êng) states that Chao Yüan-tu 趙元度 acquired an incomplete copy of YTFS lacking more than ten chapters. For over twenty years he wore himself out seeking to borrow a copy. Finally, at a cost of 50,000 cash, he made the book complete with illustrations, plans, and designs.

In 1821, Mr. Chang Yung-ching in the colophon (v. J) to his manuscript copy says: "Copies of YTFS which have survived the downfall of the Sung dynasty and have been handed down are exceedingly rare. The Ch'ien family library 述古堂 contained a copy of a Sung edition of the book, which I tried to get but failed. In the year 1820 my kinsman Yüeh-hsiao 月寶 (Chang Chin-Wu; v. K) acquired a manuscript copy

¹ Doubt exists where of Chieh ever wrote a book entitled Mu ching. M. Demiéville discusses this subject fully, loc. cit., pp. 220 – 2. The site, New Book on Wood [Construction] of the only work attributed to Li Chieh in the Sung History (v. A.), presupposes an earlier treatise of the kind. Perhars it was the Mu ching of the famous architect, Yü-Hao (v. C). M. Demieville identifies all the alleged extracts from a Mu ching of Li Chieh, as quoted in Shao fu, with passages in YTFS. Perhaps these extracts were in fact derived from the New Book on Wood [Construction] which Li Chieh may have drawn upon when writing YTFS.

of this Ch'ien copy from a bookseller named T'ao at the Sign of the Five Willows in Su-chou $(v.\ J)$. I borrowed it and copied the text, while Wang Chün-mou, pupil of Pi Chung-k'ai, copied the illustrations, plans, and designs."

Between 1907 and 1908 when Tuan-fang (H. T'ao-chai 匋齊), viceroy of Liang Chiang, founded the library [at Nanking], he acquired for it the library 嘉惠堂 which had belonged to the Ting family of Ch'ien-t'ang錢唐 (Hang-chou). Among the Ting books was the transcript of YTFS made by Chang Yung-ching (v. T).

In 1919, Mr. Chu Ch'i-ch'ien(H. Kuei-hsin桂辛), a native of 紫江 (formerly 開 州) in Kueichou, came south and saw this book(v. U). He had it reproduced in a smaller size [by photo-ithography]. This was so favourably received that the Commercial Press of Shanghai followed it up with a facsimile reproduction of the original MS. According to evidence afforded by colophons Land M, we know that the Ting MS. was the one which Chang Yung-ching transcribed from the copy in the possession of Chang Chin-wu. It contains numerous errors of transcription.

The library 密韻樓 belonging to Mr Chiang Ju-tsao 蔣汝藻, a native of Wu-hsing吳興 (formerly 湖州) in Chehkiang, contains a manuscript YTFS of which the text and illustrations are well executed and complete. By comparing the Ting MS. with it, dozens of errors in the former may be corrected. But it was not the MS. from which Chang Yung-ching's copy was made.

The library 鐵琴銅劍樓 of the Ch'ü family at Ch'ang-shu (v. S) has an old copy which also is based on YTFS (1145).

The YTFS contained in the collection of the Ch'ien-lung Four Libraries was transcribed from the copy which belonged to the T'ien-i Ko of the Fan family in Chehkiang. This copy lacked the thirty-first chapter, and the defect was made good from the Yung-lo ta tien(v. H).

According to 文淵閣書目 the imperial library under the Ming contained five sets of YTFS, but the catalogue omits bibliographical particulars. The catalogue of the imperial library under the Manchu dynasty, entitled 内閣書目, mentions two incomplete sets of YTFS, one with two and the other with five volumes. It notes that the book was compiled by Li Chieh at imperial command during the ch'ung-ning period, but that of its thirty-four chapters twelve were missing. Towards the close of the late dynasty the imperial library was moved from the Palace to the National Academy 國子監南學[in the north of Peking]. During the first years of the

(6.	造殿內平基之制於背版之	平基其名有三一日	胛	裸籠子	义子	小闘八藻井	平春	小木作制度三	聖旨編任	通直部管 怪蓋豆弟公告	營造法式卷第八	宋崇寧刻本残葉
	上四邊用程程內用貼貼內	平其亦謂之平起其以方候施素版者謂之平陽		井亭子	分嗣軍的開	拒馬义子	關八族井			通直部管 修善豆弟给留工来墨作盖 普爾里恩是等臣李 城奉		

FIG. 3. —Front page of the first folio of chapter eight of a YTFS believed to have been the first (1103) edition. Reproduced by photo-lithography in YTFS (1925).

造殿内平基之制於背版之上四邊用程程内理其名有三一日平機二日平檢三日平檢三日平檢三日平檢三日平檢三日平檢三	裸龍子	义子	小關公藻井	平基	小木作制度三	聖旨編修	通直郎管修五皇弟外	管造法式卷第八
上四邊用程程內用貼貼內平機二曰平機三曰平樣三日平縣	井亭子	鈴開單鉤關	拒馬义子	鬬八藻井			通直郎管修五皇弟外第真提舉修蓋班直諸軍營房等臣李誠奉	

FIG. 4. —The page represented in Fig. 3 as re-cut for YTFS (1925).

Republic it was moved from there and housed in a part of the Wu Gate of the Palace午門樓. Thence it was taken to the Metropolitan Library 京師 圖書館 which now is installed in the former National Academy. In the course of these moves the seven volumes of the two incomplete sets were lost owing to carelessness.

The Curator of the Metropolitan Library, Mr. Fu Tsêng-hsiang 傳增湘(H. Yüan-shu 沅叔) of Chiang-an 江安, was sorting out a pile of waste papers when he came upon two fragments of YTES. One was the front page of the first folio of the eighth chapter $(v, Fig. 3)^1$; the other was a complete fifth folio from the same chapter. They were printed from wood-blocks during the Sung period. Each folio had twenty-two columns with twenty-two characters in each, and double columns of small characters. Probably they are to be identified as coming from the 1103 edition.

Mr. Chu Ch'i-ch'ien considered unsatisfactory the Ting MS. which he had previously reproduced, so he requested me to consult all existing copies of YTFS, and, after comparing the texts in detail, to print a new edition.

In my opinion, the $Ss\check{u}$ k 'u ch 'u an shu copies of YTFS seem to be the most reliable, for they were made from the Fan library copy which had been transcribed about the middle of the Ming period from a Sung wood-block edition, and therefore is earlier than the Ch 'ien $copy^2$ preserved in the E E library (v, G). Moreover, they have the advantage of corrections and additions carried out by the editors of the $Ss\check{u}$ k 'u who compared the Fan copy with the Yung-lo ta tien(v, H).

Now, the $Ss\check{u}$ k'u ch'uan shu copies³ were distributed for preservation in the following seven repositories:

Wên yüan Ko 文 源 閣 [at the Summer Palace of Yüan ming Yüan near Peking]

¹ Note by Mr. T' ao Hsiang: "Here we find the author's name clearly written "Chieh, which is proof enough that the version'Ch'êng' is erroneons." Cf. B, D, and E. v. Pelliot, BEFEO, ix (1909), pp. 244-5.

² Professor Naitō notes the superiority of the illustrations in the copy belonging to the $Ss\check{u}~k$ u set at Moukden in 1905 as compared with those in YTFS (1920); v. sup., p. 474.

When the great catalogue of the imperial library under the late Manchu dynasty (v. H) was in preparation, certain books among those sent to the capital by collectors throughout the empire were temporarily retained for investigation. These were divided into two categories: (1) Works sufficiently rare for complete copies to be made and added to the imperial library. One of these was the Fan copy of YTFS. Bibliographical particulars of books in this category were entered in the catalogue. (2) Works not copied, but of which bibliographical particulars were entered in the catalogue, v. Pelliot, BEFEO, vi (1906), pp 415 – 16, and ix (1909). pp. 211 – 12.

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Wên tsung Ko 文宗閣[at Golden Island, Chinkiang].
Wên hui Ko 文匯閣[at Yang-chou 揚州].
Wên lan Ko 文瀾閣[at the Western Lake, Hang-chou].
Wên yüan Ko 文淵閣[in the Palace at Peking].
Wên shuo Ko 文溯閣[in the Palace at Moukden].
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Wên chin Ko 文津閣[in the Palace at Jehol].

The first three sets have suffered destruction from the ravages and burnings of war. Also, half of the Hang-chou set was destroyed. The Peking Palace set is still there; the Moukden set is stored in the Hall of Assured Peace 保和殿[in the Peking Palace]; and the Jehol set is in the Metropolitan Library.

These three are all that are now preserved intact. I have compared the texts of YTFS contained in all three, and also the extracts quoted by B, Chuang Chi yu, T' ao Tsung-i and F. The old manuscript copy in the library of Mr. Chiang Ju-tsao has been examined besides.

After carefully comparing all these texts, the shortcomings of the Ting MS. have been made good; missing characters have been restored and errors of transcription corrected. Possibly some mistakes remain; but there is little probability that any passage is omitted. Several parts of the text are hard to understand; yet, when all texts agree as to the reading, I did not venture to alter them.

The format of this edition and the style of characters cut for it are made to imitate those of YTFS (1103) as represented by the two fragments recently discovered. The illustrations are based on those of YTFS (1145), and such that cannot be followed as to detail without difficulty have been redrawn twice the original size and afterwards reduced by photography to the scale of the originals.

One source of perplexity is the lack of originals wherewith to compare these much-copied illustrations. Decorative designs of stone carvings and the smaller wooden objects may likely have undergone minor modifications from time to time in accordance with current fashion. On the other hand, strict precision must have been maintained in plans, for large wooden structures, because upon them depend all measurements and proportions, and even slight deviations from the originals would have resulted in loss of architectural integrity.

¹ The Yüan ming Yüan was destroyed by the Allied Army in 1860. The sets at Golden Island and Yang chou were burnt by the T'ai-p'ing Rebels a few years earlier.

 $^{^2}$ Also by the T 'ai-p 'ing Rebels. Professor Hu Shih informs me that the loss has been repaired owing to the generosity of Mr. Ting Ping 丁丙 (v, T) and to the recent efforts of Mr. Chang Tsung-Hsiang 張 宗 祥, formerly Commissioner of Education in Chehkiang.

To solve these problems we have had recourse to existing buildings and living architects. The present Palace at Peking, though actually built in the yung-lo period (1403 - 24), was designed in conformity with Sung standards which were an architectural heritage handed down for 800 years. Technical terms have varied with the times yet continuity of form may be traced by reference to the Institutes of Government Administration 會 典 and the archives of the Board of Works 工部 Plans from the latter source have to some extent been lost, therefore we have asked the old master-builder Ho. Hsin-kêng 賀新唐 and others, who for many years have been in charge of imperial and public works in Peking, to draw detailed illustrations on modern lines in accordance with data provided in the thirtieth and thirty-first chapters of YTFS, and to add to them modern terms. These additional illustrations thus provide material for comparison with the originals, and the student is enabled to recognize differences, similarities, and correlations, and to obtain models for imitation as well as evidence concerning the evolution of nomenclature.

Chapters 33 and 34 contain coloured illustrations. Former editions of YTFS had the colours only indicated with labels giving the names and shades, and they had notes to show which was the front and which the back. Such methods of presentment gave but imperfect notions of the true colouration, so we have employed the services of the Kuo \Re family of Ting-hsing \mathbb{R} which for five generations has been engaged in artistic colour-printing. As many as four to ten printings have been necessary for some of the illustrations.

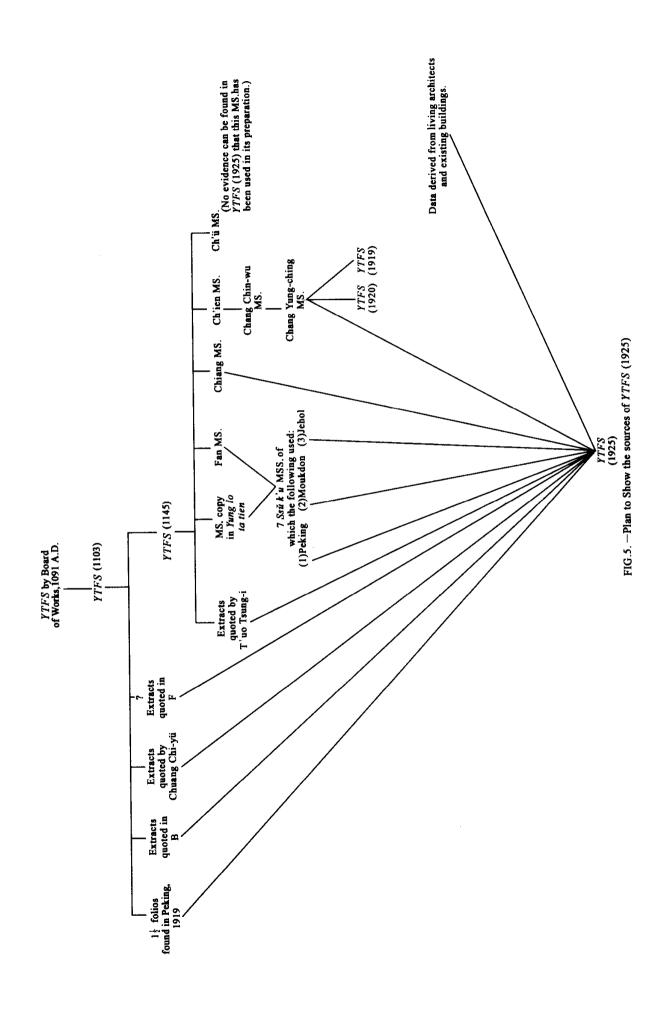
The production of this book—textual criticism, redrawing of illustrations, making of modern designs for comparison, and colour-printing—has taken seven years, and the text has been revised ten times. The cutting of the blocks was started in 1919 and finished in 1925.

Though the foregoing account by Mr. T'ao Hsiang is as lucid

¹ They appear in two supplements: one of twenty-six folios at the end of chapter 30, and the other of twenty-four folios at the end of chapter 31. The new technical terms and explanatory notes are printed there in red ink.

² This craft has much advanced in recent years. Formerly foreign paper was used for lithographs done in China. but here in YTFS (1925) coloured prints for the first time have been made on Chinese paper. The paper comes from the province of Fuhkien

³ Several are reproduced in colour on Plate I of my article in the *Burlington Magzine* of March, 1927.



as may be, the sources from which the magnificent last edition of this architectural classic has been compiled are too many and varied to be kept in mind easily. In order to show them at a glance I have drawn out a plan (Fig. 5).

I gratefully acknowledge indebtedness to Professor Hu Shih 胡 適 both for his good offices in aiding me to obtain a copy of YTFS (1925) and for invaluable help generously given in the writing of this study.

英葉慈博士營造法式之評論

影響本地建築之外表形式而已 屋頂等。又華人頗能將許多歐亞交界各處之建築原理,運用於本國建築之上,但亦不過 殊不若他種藝術也。由佛教引入中國之印度建築形式 卽 可證明。並有若干書籍將兩千年來建築之歷史,紀述無遺 在古代文化中,中國人對於建築之制度,亦有深刻之研究。試觀今日存在之建築物 ,爲墓碑金字塔形之廟宇 。但受外國之影響甚少, ; 及曲? 形

焉能多。故本書所論之營造法式乃惟 體之則例,反較與建築有關係之其他規則爲少;且建築之術,又不若油漆 各種活動物品代表之藝術,可以使人視爲有文學上之價值。不止此也,各種專門手藝 惟賴歷代匠人之口傳,而匠人亦卽當時之建築師也。夫如是,則關於建築學之文字又 據書籍所載中國向來注重宮殿或其他公共建築。堆今日存在之國家所定關於建築本 一之重要書籍 ,古銅 玉石

法式一書。成於一〇九一年。踰六年,將作少監|李誡奉敕修訂。 一一〇〇年, 一六年,開封爲女真韃世所佔據。官署旣焚,書亦隨之而盡。迨宋室南遷,建都杭州 並經御覧,於一一〇三年 (崇寧二年) 付印。於是京外各官署中,均有此書。不幸 約西歷一〇七〇年北宋神宗皇帝敕令將作監,根據案卷中所記載之傳說 編纂營造 修訂完畢

英葉慈博士營造法式之評論

版之殘餘外,其餘部份,與現在之營造法式相同 造法式刊本 高宗(一一二七至一一六二年)乃創 ,卽於一一四五年就該本刻木版 立書庫 翻 , 並 節 ·新書 , 搜羅佳本 此節 0 此 以後當 。後知平江軍 手寫本,除有頁 再述之 府 半 事 王 可 一喚得 斷 其 (爲初 二 }營

分八册 北京圖 校定, 鈔 面 本 積 稍 , 詳 並委托陶湘君負責司其事。 書館館長曾覔得殘葉兩片 九一九年, 小 i 細察閱 可 稱 其餘均畢肖 佳構 0 前内務總長現任中興 朱君更與江蘇省長 0 後商 務印 ,云係 於一九二五年出 ·書館於一九二〇年亦依照鈔本重付石印 齊耀 初版 、煤鑛公司 琳 君商議 。朱君旣知鈔本之不完善, 總理 版 , 遂决定石 朱 名曰仿宋重刊李明仲營造 啟 鈴氏 印 , 得將江· 出 版 0 乃根據殘 所 南 0 出 圖 在 書 版 此 之書 舘 葉 以 所 前 式 重 藏之 惟 新

識語 得不由廿四 實能與文學史書並 可 謂 而 德國徳米維尼君 西方著作家對於中國建築學惟一有文學上價值之貢獻 研究該書之史蹟 | | | | | 中取其要點分別譯 **光駕齊驅**: M. P. 0 因 也。茲欲論者 附 Demieville 錄及 述之 識 語係 • 所寫之評論 乃根據一九二五年版之卷末附 述營造法式自始至今之變遷沿革甚爲繁雜 即係 以此石印本爲背景。 , 因其所作之營造法式 錄 及陶 該項 湘 君 評 槪 所 不 題

(附錄及識語原書具在茲從略不譯)

WRITINGS ON CHINESE ARCHITECTURE

BY W PERCEVAL YETTS



BSENCE of old buildings may seem strange in a land where an advanced civilization has flourished continuously for 3,000 years and more. The explanation is that

Chinese architects have followed the practice of depending on wood for structural integrity, in much the same way that we at the present day frame buildings in iron or steel. And this explains not only the ephemeral life of Chinese buildings, but other of their features to be discussed later. Their lack of durability is testified by the fact that few now standing go back earlier than the beginning of the last dynasty—three centuries ago, and very few earlier than the Ming who established themselves on the throne in A. D. 1368. Excepted from this generalization are, of course, walls and other structures built without wood, such as the rare "beamless" buildings and certain pagodas and bridges. Thus only comparatively modern examples persist of the more ambitious architectural enterprises, and for study of the art through the long ages of its practice we must turn to documents of various kinds. Those at present known are not numerous. They are tomb monuments in the provinces of Shan-tung, Ho-nan and Ssŭch'uan dating from the Later Han (A. D. 25 to 221); models in pottery dug up from burial grounds of the Han and following periods; certain paintings and sculptures of the fifth to the tenth centuries (mostly belonging to Buddhist shrines); old Japanese buildings in the Chinese style; and, lastly, native books. Objective and written evidence available

from these sources supports belief that the conservative Chinese adhered as closely to their forefathers' notions of building as to other established traditions. Again and again the national annals and local chronicles, detail the scrupulous care taken to conform to old standards when a capital was rebuilt or moved to another site or when a newly-established dynasty laid one out afresh. The many foreign rulers of China seem to have observed this ideal no less attentively than native dynasties. For instance, when about the middle of the twelfth century the Nü-chên Tartars made Peking their central capital, they copied in detail the palace of K'ai-feng, left by the retreated Sung, which originally had been modelled on that of the T ang dynasty at Loyang. They even went so far as to dismantle much of the Sung woodwork and embody it in the new buildings at Peking. Such instances indicate architectural continuity lasting for six hundred years; indeed, till a century before the rise of the Ming—in other words, up to the period from which date all but a few of the oldest wood-built buildings now standing in China. History of continuity may be traced back for eight centuries and a half beyond the T'ang to about 220 B. C. when the first Emperor of the Ch'in dynasty rebuilt his capital at Hsien-yang (Shensi) on such a vast and splendid scale that (if the historian lie not) it must have surpassed Nineveh at the height of its glory.

It is said to have extended east and west, on either side of the River Wei, for a hardly believable distance, and north and south of it for many miles. 1 The richest families throughout the empire, to the number of 120,000, were ordered to build mansions in the capital and dwell there with their belongings. Whenever the Emperor conquered a principality, he erected in his capital a replica of the royal palace destroyed, and adorned it with the captured treasures. Palaces and pavilions thus reproduced numbered 145; and 10,000 women, chosen for their beauty from all parts of the land, were distributed among them. Each palace, fully staffed and provisioned, was kept ready for the Emperor, should the whim take him to occupy it. Besides these, there was the chief imperial palace, most magnificent of all, on the north side of the river. Covered corridors, hung with silken fabrics, ran for miles connecting the various palaces; and bridging the river was a roofed structure of wood 280 yards long and 12 wide, with 68 bays,850 columns,212 cross-beams and a stone platform at either end. Not content, the Emperor built south of the river another palace in which to hold audiences. This stupendous structure, famed in history under the name O-p'ang Kung, had a hall measuring 500 yards from east to west and 100 yards in width. Its upper floor was large enough to seat 10,000 men, and the ceiling of the ground floor was high enough "to allow banners 10 yards tall to be held upright." More than 700,000 convicts, who had suffered the punishment of

¹ Details of these architectural enterprises are given by Tschepe, Histoire du Royaume de Ts'in, (Shanghai, 1909) pp. 291-298. I quote above some of his figures with reservation. He appears to have combined particulars taken from original texts and from later commentaries without distinguishing between them. For instance, he cites 800 li as the distance which the city extended east and west on either side of the Wei. At the lowest estimate this is equivalent to 280 miles. As the Rev. A. C. Moule has kindly pointed out to me, this "800 li" is doubtless derived from the commentary (dated A. D. 736) to Shih chi. The historian Ssū-ma Ch'ien himself does not mention the figure. v. Chavannes, Mém. hist., II (Paris, 1897), pp. 137-8.

castration, were employed to construct the new palace and a gigantic tomb for the Emperor.

The vast city of Hsien-yang was sacked and burned soon after the Emperor died. No remnant of it is now visible, unless perhaps some stone pedestals for pillars of the great audience hall. Excavation might disclose foundations, figured bricks and tiles, and sculptured stone fragments; but little of architectural moment is likely to have survived the destruction of buildings framed in wood. On the other hand, the written records do provide important information, even allowing for probable exaggeration, and three highly significant facts emerge: one that the first Ch'in Emperor, notorious as breaker of ancient tradition, did not attempt a revolution in architecture; another that any variant styles which may have existed in different localities were brought together at the capital; and another that the art had reached a high level of achievement by the century B. C.

This Chinese Napoleon abolished feudalism while uniting the countless petty states into a huge homogeneous empire, and the surmise seems justified that his building megalomania unified the architectural standards of the country.

Chinese literature is peculiarly rich in poetry and local topographies. Many poems, notably the early fu, exalt in grandiloquent terms the splendours of palaces and temples; and the topographies contain information of a more precise sort. Here may be mentioned a book which scarcely comes within the latter category. As its title (Lo-yang ch'ieh lan chi) denotes, it is concerned with the monasteries at Loyang. It sets forth with wealth of detail the glorles of Buddhist buildings which pious rulers of the Northern Wei dynasty had multiplied in their capital. In 547 a certain Yang Hsüan-chih revisited Lo-yang whence the Wei Court had been driven by rebels thirteen years earlier. Of its former 1,367 religious houses only 421 had survived the ruin, and, fearing lest their departed greatness might be lost to memory, he wrote a description of them. Among these Buddhist edifices was the great pagoda which I shall discuss later.

But books such as these lack the exact data sought by a student of architecture. Moreover, extant technical treatises on the subject are few and rare; therefore the recent reproductions of the *Method of Architecture* (*Ying tsao fa shih*) are specially welcome. This work was written and eventually printed about 1103, in compliance with imperial command, to supersede a handbook, under the same title, compiled by the Board of Works some seven years earlier. Its author is Li Chieh, an

erudite and versatile official, who was a calligraphist and a writer of several works, including one on horses and another on music. The functions he exercised at the capital of the Northern Sung dynasty appear to have been chiefly architectural. In 1126, when K'aifêng was taken and pillaged by the Nü-chên Tartars, the official buildings and their contents were destroyed. Doubtless the blocks and nearly all copies of the Method perished with them. After the Sung court had been reestablished at Hang-chou, great efforts were made again to get together an imperial library. A second edition of the Method, based on the first, was cut and printed at Su-chou in 1145. At the present time no copy of either edition is known to exist, but there are some six transcripts of the 1145 reprint. The text of one was in 1821 recopied by a youth of twenty, named Chang Yung-ching, and the illustrations by the artist Wang Chün-mou. This manuscript is now in the public library at Nanking. In 1919 Mr. Chu Ch'i-ch'ien, who had been Minister of the Interior under the presidency of Yüan Shih-k'ai, reproduced it by photolithography on a smaller scale than original, and in the following year the Commercial Press at Shanghai published a photolithographed facsimile. Printed copies of the Method are known to have survived in the imperial libraries at Peking under the Ming and the Manchu dynasties. Unfortunately these were lost through carelessness during the several recent occasions when the library was moved; but about 1918 the Curator of the Peking Metropolitan Library, while some waste papers, same upon a folio and a half of what is presumed to have been the 1103 edition. With these fragments as a basis, a reconstruction of the original treatise was carried out with infinite care under the supervision of Mr. T'ao Hsiang and at the initiative of Mr. Chu Ch'i-ch'ien. Existing manuscripts were compared in order to get the text free from error, and the illustrations were redrawn with the help of architectural experts. There were added two supplements containing modern versions of the drawings, elucidated present-day terms, and also coloured versions of the decorative designs which originally had been represented in line with labels denoting the colourings. The resultant eight magnificent volumes, published in 1925, are triumphs of book-production. 2 They would be a credit to any press in respect of textual criticism, typo-

² The foregoing is but an incomplete summary of an extremely complex bibliographical history as set forth in the appendix to this edition. A full account by the present writer will appear in the forthcoming issue of the Bull. of the School of Oriental Studies.

graphic beauty and technical achievement in colour-printing. 3

This production in China during the recent years of turmoil is significant. Apart from that, it has the outstanding importance of providing an exposition, intelligible to modern architects, of a treatise which sets forth technical data concerning Sung contemporary terms, methods of construction and use of materials. Many of these data doubtless perpetuate official standards handed down from ancient times for the guidance of those controlling the architecture of public buildings. Above all, the work has the merit, so rare in Chinese treatises, of being based on practical experience. The illustrations reproduced here [PLATE I, A and B] from the 1925 edition are chosen not merely as specimens of the admirable colour-printing but because polychrome decoration is and always has been an essential and prominent feature of Chinese architecture, which in this respect has points in common with ancient Greek usage.

M. P. Demiéville wrote a long detailed review⁴ of the Method of Architecture as reproduced by photo-lithography in 1920. review is the most scholarly of contributions yet made by Western writers to the study of Chinse architecture. Until recent years these contributions have been surprisingly meagre and uninformative when compared with our voluminous literature concerning other departments of Chinese culture. One of the earliest is a set of copper-plates issued in 1750-2 by the architects, William Halfpenny and his son. It is entitled New Designs for Chinese Temples, Triumphal Arches, Garden Seats, Palings, etc., and it well exemplifies the travesties of things Chinese which were in vogue during the eighteenth century. The Halfpennys had the honesty to claim for their designs no more than that they were "in Chinese taste"; but in 1757 there appeared a pretentious folio which purported to give an authentic account of Chinese architecture illustrated with twenty-one engraved plates "by the Best Hands, from the Originals drawn in China by Mr. Chambers, Architect." It was "published for the Author, and sold by him next Door to Tom's coffeehouse, Russel-street, Covent-Garden." can be said in praise of it except that it is less misleading than the earlier publication, notwithstanding that its aim, as avowed in the preface, was to put "a stop to the extravagances that daily appear under the name of

Chinese, though most of them are mere inventions, the rest copies from the lame representations found on porcelain and paper hangings.

At the age of sixteen, William Chambers became a supercargo of the Swedish East India Company, and in that service made at least one voyage to Canton, where he collected the material for his book. Between 1757 and 1762 he erected in what we now know as Kew Gardens several exotic buildings including the pagoda which remains the most imposing relic in this country of the then-prevailing craze for chinoiseries. The chief work by which he is remembered is Somerset House. In 1771 the King of Sweden created him Knight of the Polar Star, and he was allowed by George III to assume in this country the style of "Sir William." He died in 1796, full of riches and honour, and was buried in the Poets' Corner of the Abbey.

For a hundred years after the appearance of Chambers' folio no Western writer attempted to discuss Chinese architecture seriously. Then in the Transactions of the Royal Institute of British Architects of 1866-7 an army surgeon, named Lamprey, published a paper on the subject, and he was followed in 1873 by W. Simpson and in 1894 by F. M. Grattan. The least unsatisfactory of these papers is by Simpson, who had travelled far and wide in China, visiting both Peking and Nanking. He was, at any rate, a trained architect, although he lacked an understanding of Chinese culture possessed by Joseph Edkins, the versatile sinologist, who wrote a diffuse and uninspired essay sixteen years later. 5 Another general survey of the subject is Prof. Ito's article in the Encyclopaedia of Religion and Ethics, 6 and less thorough accounts are contained in the well-known handbooks of Chinese art by Paléologue, Busheil and Münsterberg. Noteworthy also are the sections devoted to China by A. Choisy and F. Benoit. Both contain errors, but the latter has the merits of a wide outlook and a dependence on the writings of specialists, such as Chavannes' great archaeological survey to which I refer later (p. 7, n. 28). The continued publication of uninformative or actually misleading notices in cyclopaedic works indicates our prevailing neglect of the subject. An example is to be found in Sir Banister Fletcher's History of Architecture. 9 Few of the illustrations represent typical Chinese buildings, and at least one

³ Note should be made that the text is printed from wood-blocks out with distinguished dexterity in the Sung style. The colour-printing is done by lithography on native paper by the Kuo family, of Ting-hsing, which for five generations has specialized in the craft.

⁴ Bull. de l' Eeole Française d' Extréme-orient, XXV (1925)

pp. 213-264.

⁵ Jour. China Branch Roy. Asiatic Soc., XXIV (1889-90),

pp. 253-288.

⁶ Vol. I (Edinburgh, 1908), 693-696.

⁷ Hisioire de l' Architecture I (Paris, 1899) pp. 179-197. ⁸L' Architecture l' Orient medieval et moderne (Paris, 1912)

pp. 334-360. ⁹7th ed. (London, 1924) pp. 806-817.

appears to be the invention of an European artist. The scantv bibliography includes Allom's and Wright's compilation, entitled China, its Scenery, Architecture, Social Habits, etc. (c. 1843), which has had a large share in spreading erroneous notions, especially in respect of Chinese architecture. 10

Concerning certain buildings and groups or types of buildings in China innumerable accounts have been published; some separate works, some as articles in periodicals and some as passages in books of travel. To give a bare list of them here is out of the question, but mention must be made of the first attempt to treat the matter technically from the standpoint of a Western architect. So far as it goes, it is a thorough and well illustrated description of a famous Buddhist temple near Peking. 11 Its account of constructional detail, however, ignores native nomenclature and craftlore; and, indeed, these aspects of Chinese architecture have not yet been studied by any Western writer except M. Demiévllle while reviewing Li Chieh's treatise.

Many have written about the capital, and probably Simpson is alone in his estimate that "Peking is only an extended village of dirty streets and crumbling walls." The truth is that Peking represents more fully than any other city at the present day the heritage of Chinese architectural achievement. Stress was laid early in this article on the care consistently taken to preserve tradition unchanged when capitals have been rebuilt or moved to fresh sites; and the belief seems justified that Peking is the direct descendant of a long succession of capitals stretching back to the earliest historical times. Indeed, the Peking of to-day probably has features resembling those of the Chou capital which are alleged to have called forth the words of admiration attributed to Confucius. And probably features most distinctive of a Chinese metropolis are to be found within the vast enclosures consecrated to the Son of Heaven, because among the palace buildings are the greatest architectural enterprises. That is why the book 12 by Prof. Sirén, now being published, is as important a contribution to the study of the subject as his recent Walls and Gates of Peking (London, 1924), of which this is the fitting complement. Besides providing permanent pictorial records of buildings which may soon be swept away, it contains an historical outline and also technical criteria of value to architects, Professor Sirén's photographs are distinguished by his happy sense of composition, and in range and comprehensiveness they are approached only by Japanese publications, 13 most of which are now hardly procurable. The rural environment of many of the palace buildings is admirably represented, and effort has been successfully made to record the interior decoration manifesting an architectural tradition of extreme antiquity. The labels in Chinese characters written on the plates are welcome additions. Many of the historical data have been translated by Miss A. G. Bowden-Smith from local chronicles, while others are derived from the report published in 1903 by the College of Engineering of Tōkyō Imperial University. From the latter source are taken ten of the architectural plans; three have been drawn by the Swedish architect, Mr. J. Albin Stark; and one is a German Army Map made in 1900-1.

The first important attempt to deal with this subject as a whole is by Dr. Ernst Boerschmann. 14 In 1906 Dr. Boerschmann was commissioned by the German Government to make "an investigation of Chinese architecture and its relation to Chinese culture," and for nearly three years he travelled through China, visiting fourteen of the eighteen provinces. Results of his explorations have appeared in several publications, of which the two-volume work, devoted to temple buildings, is the most notable. 15 The title Chinesische Architektur, given to the large book under review, is at first somewhat misleading, since it suggests a comprehensiveness which is lacking. But in

13 After the Boxer Outbreak, when Peking was occupied

Japanese by Professor Itō.

¹³ After the Boxer Outbreak, when Peking was occupied by the allied forces, an architectural commission was sent by Tökyö Imperial University and the Imperial Museum of Tökyö to study the palace buildings. It included Assistant Professor C. Itō, Mr. J. Tsuchija, Mr. T. Okuyama and the photographer, Mr. K. Ogawa. No. 4 of the Scientific Reports of the University College of Engineering contains the report by Professor Itō entitled Shinkoku Peking Shikin-jō demmon no kenchiku and the report by Mr. Tsuchija entitled Shinkoku Peking Shikin-jō kenchiku chōsa hōkoku, both in Japanese. In 1906 Mr. Ogawa published, under the auspices of the Imperial Museum two large portfolios containing 172 plates of collotype reproductions of photographs and a book of explanatory notes by Professor Itō in Japanese, English of explanatory notes by Professor Itō in Japanese, English and Chinese. This work, limited to 500 copies, is entitled Photographs of Palace Buildings of Peking. The same year there appeared as No. 7 of the Scientific Reports a portfolio containing notes and 80 plates of drawings, some of which Palace Buildings of Peking. Under the title Shina Peking-jō kenchiku a handier portfolio was published at Tōkyō in 1925, containing 102 plates, selected from the three huge portfolios published in 1906, with brief descriptions in

¹⁴ Chinesische Architektur. 2 vols. 162 pp. + 346 pl. coloured) +39 illustrations and plans in text. Berlin (E. Wasmuth), £8.

¹⁵ Die Baukunst und religiöse Kultur der Chinesen. Vol I; P'ut'o Shan. Vol. II; Gedächtnistempel. Berlin: 1911 and 1914 respectively.

¹⁰ This and other publications giving currency to fictitious esentments of Chinese life were discussed by the present presentments of Chinese life were discussed by the preser writer in THE BURLINGTON MAGAZINE of March, 1926, p. 122.

¹¹ H. Hildebrand, Der Temple Ta-chüeh-sy. Berlin; 1897. 12 The Imperial Palaces of Peking. Vol. I, pp. 75 + 72 plates + 14 plans Vol. II, 104 plates. Vol. III, 98 plates + plan. Paris and Brussels (Van Oest). £ 8 8s.

his preface the author corrects misconceptions which might be so caused, and announces that the scope does not include more than cursory references to history and evolution, methods of construction and effects of foreign influences. His main purpose is to provide pictures of representative buildings standing in China at the present day, and the comparatively scanty text is concerned mainly with grouping these under twenty categories according to style. He achieves his aim admirably with 591 excellent photographs and numerous architectural drawings. Permanent preservation of such graphic documents is of the highest value, especially now that civil war and the progress of Westernization are bringing destruction to Nevertheless, students relics of old China. cannot but regret that Dr. Boerschmann did not plan his book on more ambitious and comprehensive lines, and utilize his extensive knowledge and abundant material to give within the covers of one work a digest of all he had to say on the subject. Thus he would have provided a much-needed repertory of Chinese architecture. The text as it stands gives the impression of being a somewhat perfunctory accompaniment to the plates, and the reader's search for information on certain important topics has to be satisfied with references by the author to separate writings which he has published or is preparing to publish.

One of these topics is the pagoda. Many writings have been devoted to these structures, of which some 2,000 still exist. The oldest now standing is that at the foot of the T aishih Hill on its western side. He Hill belongs to the famous mountain group of Sung Shan in Honan, the central one of the Five

16 The most important are; W. C. Milne, Pagodas in China, in Trans. China Br. Roy. Asiatic Soc., Pt. V. (1855), pp. 17-63; Anon., Chinese Pagodas, in Jour. N. China Br. Roy. Asiatic Soc., XI.VI (1915), pp. 45-57; J. J. M. De Groot, Der Thūpa, No. 11 (1919) of Abh der Preuss. Akad. der Wissenschafter; E. Boerschmann, Eisen- und Broncepagoden in China, in Jahrbuch der As. Kunst (Leipzig, 1924) pp. 223-235 and Pagoden der Sui-und frühen T'angzeit in Ostas. Zeitschrift (1924), pp. 195-221; and D. Tokiwa and T. Sekino, Shina bukkyō schiseki (Buddhist Monuments in China), 5 vols. of plates and 5 vols of text. Tōkyō, 1925-7. The last work contains numerous fine photographs of pagodas. Many historical data cited in this article are derived from the valuable text.

17 Dr. Boerschmann is mistaken in attributing (II, pp. 43 and 46) this distinction and the date, A. D. 500, to a pagoda (pl. 319) situate some 120 yards south-east of the White Horse Temple in Ho-nan Fu (Lo-yang). The first pagoda on this site was probably built more than four centuries later. It was a nine-storeyed tower of wood, and it suffered destruction in 1126. Fifty years after that the present brick pagoda of thirteen storeys was put up. Professor Itō also erroneously assigns priority to a pagoda of much later date than that of the Sung-yüch Ssō. He describes the Wild-Goose Pagoda at Hsi-an (Ch'ang-an) as "the oldest now in existence." (Enc. of Rel. and Ethics, I, p. 695), although it was first built in 652, and it has been altered many times since (v. inf. p7, and PLATE II, c).

18 v. Tokiwa and Sekino, op. cit., II pl. 140-1 and O. Sirén, Chinese Sculpture (London, 1925), II, pls. 187, 188. A.

Sacred Mountains which figure prominently in the most ancient religion of China—that of nature worship. This pagoda is part of the Sung-yüeh Ssǔ, a foundation dating back to a Wei dynasty palace built at the beginning of the sixth century. In 523 the palace was turned into a Buddhist temple, and then was built the present brick pagoda which, apart from evidence afforded by written records, exhibits characteristic Northern Wei design proclaiming its antiquity.

The pagoda is so signal a feature of Chinese landscapes that its form passes in the West as a sort of symbol for China. For many years before its destruction in the middle of the last century, the so-called Porcelain Pagoda¹⁹ Nanking was rated as one of the Wonders of the World, and the fact encouraged our popular acceptance of this style of structure as typical of Chinese architecture, Yet writers generally agree in tracing its origin solely to India, while crediting to Chinese invention minor modifications in its evolution. Boerschmann adopts the customary without advancing evidence to support it. The fact is that existing literature on the subject fails to convince one that the importation theory is wholly true. Our information concerning Buddhist beginnings in China is scanty and somewhat obscured with legendary accretions. We know that in 2 B. C. an Indoscythian envoy, or perhaps a Chinese returned from a mission to the Indoscyths, carried news of the religion to the Han capital. The traditional embassy sent by the Emperor Ming brought back in A. D. 67 two priests from the same country; and other missionaries of Buddhism followed during the second and third centuries. Indoscyths were ardent Buddhists, and to Kanishka, their most famous king, who is now believed to have lived during the first century, is attributed the building of the magnificent stūpa at Peshawar.

Data concerning the sacred buildings in India were probably brought to China by many of the emissaries of Buddhism along with religious books and images. According to the legend, he was a foreign monk who about the middle of the third century persuaded the reigning emperor to build a pagoda on the site, at Nanking, later occupied by the famous Porcelain Pagoda. Of fuller historical authenticity is the account of the monk Hui-shêng, who accompanied the mission sent to India in 518 by the pious Empress Dowager Hu of the Wei dynasty. He is said to have caused a native artist to fashion models in bronze (or

¹⁹ Described in *Chinese Repository*, I (1832-3) pp. 257-8 XIII (1844) pp 261-5.

²⁰ v. Milne, loc. cit., pp. 56-7.

brass) of Kanishka's stūpa and of four other great stūpas in Northern India. Furthermore, surviving fragments of a journal written about the middle of the fifth century by the Chinese pilgrim Tao-yo during his travels in India show that he recorded the exact dimensions of the stupa at Peshawar. The foregoing are cited as indications that architectural notions came to China from the cradle of Buddhism early in our era. The incidents connected with Kanishka's stūpa appear in the book on the Lo-yang monasteries mentioned above (p. 2). Its last chapter is almost entirely occupied with the narrative²¹ of the Empress' mission led by Sung Yün, and it contains a description of Kanishka's stūpa. There are other descriptions2 by Chinese pilgrims, but unfortunately none informs us as to the shape of this most famous and resplendent of ancient Buddhist buildings in India. Probably it followed the lines proper to the cenotaph or reliquary stupa, which was ultimately derived from the funeral monument. 23 Professor P. Pelliot cites 24 brief account of a Buddhist temple erected in China as early as the second century. The builder "piled up metal discs at the top, and multiplied the storeys below. In addition, the buildings constructed all around could hold 3,000 persons..." The tower, surrounded with accessory temple halls, may have been based on an Indian model, or it may have been of the Chinese pagoda type, which I shall define later. The passage clearly proves, as Professor Pelliot remarks, that there were actual Buddhist temples in China under the Han. and that devotees of the new religion were not always content with buildings formerly used for secular purposes.

The book on the monasteries of Lo-yang (Lo-yang ch'ieh lan chi) contains in its first chapter an account²⁵ of a magnificent wooden pagoda of nine storeys built in 516 by the Empress Hu. Judged by the prominence and detailed notice given to it by the author, the building must have been deemed one of the chief glories of the capital. Its total height is said to have been 1,000 feet, and it could be seen from a distance of about thirty miles. At the top was a mast of 100 feet carrying thirty superimposed gilt bowl-shaped discs below its finial in the form of a gilt flask (kalasa). The discs, the iron chains which tied the mast to the four corners of the tower, and other parts

21 The last and best translation is by Chavannes in Bull. de l'Ecole Française d'Extrême-orient, III (1903) pp. 388-429.

of the building were hung with gilt bells to the number of more than 5,000. When the pagoda was burnt down in 534, great were the lamentations of the populace, and three monks were moved to throw themselves into the flames. The fire was still burning months later and the foundations continued to smoulder for a year. Even allowing for much exaggeration the account seems to indicate that pagoda building had advanced far at the beginning of the sixth century, and nothing in the description seems inconsistent with a type generally looked upon as distinctively Chinese. This is the tower of several storeys, each being only slightly smaller than the one below and having an encircling pent roof or a projecting cornice which looks almost like a roof. Sometimes there is a balcony round the base of each storey. Whether built with bricks or stone. it has features pointing to a wooden prototype. Probably the most ancient notable example of this style is the handsome, though dilapidated, stone monument [PLATE II, B] at the foot of Shê Shan (commonly called Ch'i-hsia Shan) near the station of Ku-shu Ts'un on the Nanking-Shanghai railway, some fifteen miles north-east of Nanking. Tradition assigns it to the beginning of the seventh century as one of eighty-three Buddhist reliquaries built in various parts of the country by Emperor Wên (589-604) of the Sui dynasty.

The question is whether towers of this type ever existed in India. Available evidence seems to indicate that they did not, though a surmise has been made that the wooden pagodas of Nepal are direct descendants of an ancient and now forgotten Indian structure which disappeared early in our era. 27 More plausible is the tracing of what I would venture to term the Chinese type (as exhibited on

²² These are assembled by Chavannes as notes to the same article, loc. cit., pp. 420-427.

²³ v. A. Foucher, L' Art Gréco-bouddhique du Gandhāra, I (Paris, 1905), pp. 45-98.

24 Bull. de l' Ecole Française d' Extrême-orieni VI (1906),

 $^{^{25}}$ Passages are translated by De Groot, op. $\it cit\,,~pp.~14-16\,.$

²⁶ A passage to this effect occurs in T ung chih Shang Chiang liang hsien chih, III, 27. In 1909 I spent several days at Shê Shan examining the Buddhist remains which include rock-sculptures said to date from the first half of the sixth century. To aid my search for written records, Mrs. Ayscough was good enough in 1911 to get into touch with the learned Father Mathias Tchang, S. J., who was known to have made a study of the locality. Father Tchang most courteously caused an extract to be made from the rare topography quoted above, and I have also his letter in which he subscribes to the date there assigned to the stone pagoda. Excellent photographs, showing the sculptured designs adorning the plinth and lowest of the five storeys, are published by Professor Sirén, Chinese Sculpture, IV, pls. 593-9. A modelled reconstruction of this important monument appears as an illustration to Dr. Boerschmann's previously-mentioned article in Ostasiatische Zeitsohrift (1924), pl. 18, fig. 10, and on p. 211 Father Beck, S. J., is quoted to state that the monument was erected in A. D. 617, by the Emperor who succeeded Wên Ti. About the middle of the eighteenth century a copy was erected on a hill near the Summer Palace at Peking. is represented on pl. 316 of Chinesische Architektur.

²⁷ S. Lévi, *Le Népal*, II (Paris, 1905), pp. 10-12. See also pictures of these structures in G. Le Bon, Les Civilizations de l'Inde (Paris, 1887), figs. 12, 282, 284, 290 and pl. facing p. 626.

PLATE II, B) to native sources, though upholders of the indigenous theory must admit the possibility of ultimate Mesopotamian origin. Chinese classical accounts of storeyed and terraced towers, classed as t'ai, are numerous. Some t'ai are said to have been as high as 300 feet, and the extravagant wealth lavished on them by emperors often aroused popular resentment. Another ancient category of storeyed towers is the lou. Apart from written records, the only reliable clues to the structures of these towers in early times are Han pottery models and sculptured tomb monuments of the same period. 28 Essential elements of construction, as there exhibited, have persisted during the last 2,000 years and are manifest in many remaining pagodas as also in other Far Eastern buildings. 29 Of the lou no more picturesque example could be found than the Yellow Crane Tower which formerly stood at Wu-ch ang [PLATE II, D]. Many poets and artists have made it their theme, and many times has the Yellow Crane Tower been renewed³¹ since the first was built at the

²⁸ This is too big a topic to be considered here beyond giving references to the following works; B. Laufer, Chinese Pottery of the Han Dyn. (Leiden, 1909), pp. 51 seq. et passim; R. L. Hobson, Geo. Eumorfopoulos Coll. Cat., I (London, 1925), pls. 5, 7 and 18; E. Chavannes, Miss. arch. dans la Chine sept. (Paris, 1909), pls. 1-199, etc.; V. Segalen, G. de Voisins and J. Lartigue, Miss. arch. en Chine, Atlas I (Paris, 1923), pls. 14-49.

²⁹ In Shinagahu ronso (Tōkyō, 1926), published in honour ²⁹ In Shinagahu ronso (Tökyö, 1926), published in honour of Professor Naito's sixtieth birthday, is an article (pp. 93-116) by Professor K. Hamada in which he compares Chinese architecture under the Han and Six Dynasties with that of Höryü-ji the oldest temple in Japan dating from the begin. ning of the eighth century or earlier. He nnds parallels among the Han relics, fifth and sixth century sculptures at Yün Kang and wall-paintings and pillars in Corean tombs, and sixth and seventh century sculptures at T'ien-lung Shan. On P1, 7 fig. I is reproduced from the Freer Collection a Han pottery "fowling tower" which has marked points of resemblance to the Chinese type of pagoda. blance to the Chinese type of pagoda.

30 Dr. Boerschmann calls it (I, p. 46) "a landmark visible as if it still existed. It was, however, burnt down in September of 1884, a little less than 20 years after it was built. The present Yellow Crane Tower preserves the ancient tradition unworthily; for it is an ugly brick structure in Western style, looking like a badly designed church. It certainly is a, landmark, and an unpleasing one. In his recent article K' ueising-Turme u. Fengshui-Saulen in Asia Major, II (1925) pp. 503-530 Dr. Boerschmann notes the fact that the Tower of Plate II, D no longer exists. He is mistaken 524) in associating the legend of the yellow crane with Lu Tsu, a Taoist adept who is supposed to have lived no earlier than the T'ang period. According to the topography Hu Kuang t'ung chih, the immortal who rode the crane was either Tou Tzŭ-an or Fei Wen-wei.

31 In the middle of the last century the then-existing Yellow Crane Tower was demolished by the T'ai-p'ing Rebels, and I cannot say how closely the Tower of Plate II resembled it. An album, published in 1922 contains colletype reproductions of paintings, and opens with a Yellow Crane Tower of a different style. The album's title, T'ien-lai ko chiu ts' ang Sung jên hua ts' ê, claims the pictures therein as the work of Sung artists. Possibly the first does truly represent the Yellow Crane Tower of that period, and it together with other pictures of buildings in the album might be accepted as valuable architectural documents, if we could be sure first that they were painted under the Sung, and secondly that the artists made faithful draw-ings of actual buildings. Experience discourages belief in either premise.

beginning of the sixth century on the bluff overlooking the Yangtse. It derives its name from the legend of a Taoist adept who from this height soared to heaven on the back of a vellow crane.

The foregoing is a very superficial attempt to account for the varied forms of pagodas in China by tracing some to the Indian stupa type, which was essentially a cenotaph or reliquary, and some to the ancient native tradition of tower-building. There still many which are hardly explainable under either heading. They may be classed generally as pyramidal, and thus they follow the lines of the most primitive kind of tower built by man. Perhaps they owe their origin partly to the t'ai and lou; but the likelihood is that they are a direct outcome of foreign importation. Their immediate prototypes may be the ancient Indian Vishnu shrine and the pyramidal manystoreyed monastery, and so they may share with the t'ai a remote Mesopotamian ancestry. The best extant example of ancient Indian pyramidal structures is the famous temple of Bodh-Gayā, which may be hundreds of years older than the sixth-century date assigned to it by Fergusson. 32 Hsuan Tsang, the great Chinese pilgrim, visited Bodh-Gayā and wrote a description of the temple. 33 On his return, he wishedth that a stone pagoda, 300 feet high, should be built at Ch'ang-an as a repository for the sūtras and other sacred things which he had brought back. The Emperor agreed in 652 to erect a square five-storeyed brick tower 180 feet high, each side of the lowest storey to be 140 feet long. The account expressly states that it was designed on foreign lines, not in accordance with ancient VII). Many standards (Tz'ŭ-ên ch'uan, restorations and alterations have from time to time been carried out, but there seems no reason to doubt that the present seven-storeyed structure[PLATE II,c] is substantially same as the one which Hsuan Tsang helped to build with his own hands. Hint of an Indian model is conveyed by its name, the Wild-Goose Pagoda³⁴; and perhaps its actual prototype was the nine-storeyed temple at Bodh-Gayā which excited the pilgrim's admiration. It has a more broken and angular contour, but the main construction may be recognized as a simplified version of the pyramidal mass of Bodh-Gayā.

³² History of Indian and Eastern Architecture (London, 1876) p. 70. On this subject v. E. B. Havell, Ancient and Medieval Architecture of India (London, 1915) pp. 94-100.

³³ S. Julien, Mém, sur les Contrées occ, I (Paris, 1857),

pp. 464-470.

34 For an explanation of this name v. T. Watters, On Yuan Chwang's Travels in India II (London, 1905), pp.

The Chinese roof, because of the upward curve at the eaves and the lavish decoration, impresses foreigners next after the pagoda as something strange and fantastic. The curve has called forth many speculations, generally ill-founded. The least plausible is one that has been most often repeated, and it survives in spite of obvious absurdity. It explains the curve as a memento of a supposed far-off period when the Chinese were nomads and abode in tents. Evidence is lacking that the early forefathers of the race were nomads, nor is there likelihood that their tents would have been shaped like ours, had they used tents. Moreover, the curved roof did not appear in China till comparatively late—probably about the middle of the first millennium after Christ. Almost as fanciful is the theory advanced by Surgeon Lamprey (loc. cit., p. 164). He suggests"some connexion with that graceful curve we notice in the branches of fir trees, and the little dog-like figures sitting on the upper margin may be intended to represent squirrels running along or sitting on the branch." Dr. Boerschmann seems to hold somewhat similar views; for he says (I, p. 74): "The impulse which drove the Chinese to use these curving forms came from their desire to express the movement of life." And again (II, p. 49): "By the curving of the roof, buildings are made to approach as nearly as possible the forms of nature—the varied outlines of rocks, trees, etc." Other theories give the prosaic explanation that climatic conditions demanded a high-pitched roof with projecting eaves both to carry off heavy rains and to afford protection from the sun. There is also the reasonable supposition that changes in the technique of roof construction led to development of the curve. In short, this problem of the Chinese roof has not yet been solved. We do not even know the actual period when the curve first appeared in China. Without citing evidence, Dr. Boerschmann declares not till the T'ang dynasty; but that covers a long stretch of three centuries, starting from A. D. 618. At the present state of our knowledge we must fall back on the theory of an Indian origin as the most acceptable. So far as I know, Edkins was the first to hint at this hypothesis (*loc. cit.*, p. 259). Certainly curved roofs existed in India at an early date³⁵; they appear, for instance, in the bas-reliefs at Sānchi³⁶ and in the Ajantā wall-paintings.³⁷

The inventive ingenuity expended on roof ornamentation, which to a large extent is occasioned by the Chinese instinct for symbolic expression, cannot be discussed here. Dr. Boerschmann gives many excellent illustrations. This and the history of tiles are subjects not yet fully explored. The Ying tsao fa shih devotes much space to roofs and, incidentally, specifies the ingredients of a green glaze for tiles.

Other than the types represented on PLATE II, there is none more characteristic of Chinese architecture than the memorial arch, called p'ai-lou or p'ai-fang. Space does not admit here a consideration of the evolution and significance of this structure, which is part of the social fabric of the nation. Pictures on PLATE III must suffice to show some stages of its development, and the reader is referred to the chapter on the subject in the second volume of Dr. Boerschmann's work (pp. 30-42) and the numerous accompanying plates. 39

In this land of rivers and canals the bridge is a frequent feature, and often it is beautiful and accomplished. Chinese bridges may not now arouse the admiration of Western travellers to the same degree as they did Marco Polo six centuries and a half ago, yet the subject is worthy of study, and surprise is occasioned that Dr. Boerschmann ignores it in a general work such as Chinesische Architektur.

³⁵ v. L. de Beylië, L'Architecture hindoue en Extrêmeorient (Paris, 1907), pp. 38-49.

 $^{^{36}}$ v. F. C. Maisey , Sánchi and its Remains (London , 1892) , pls. $\,$ V , VIII , IX and XX.

³⁷ v. J. Griffiths, The Paintings in the Buddhist Cave-Temples of Ajantâ (London, 1896), pls. 11, 13, 16, 27, 28, 46, 58, 60, 67 and 86.

³⁸ A poor attempt, full of errors, to give an account of glazed roof tiles dating from the fifteenth to eighteenth centuries is that by E. Fuchs, entitled *Dachreiter* (Munich, 1924).

³⁹ v. also J. J. M. De Groot, Rel. Sys. of China, II (Leyden, 1894), pp. 769-794 and A. Volpert, Die Ehrenpforten in China in O7. Archiv, 1 (1910-11), pp. 140-8, 190-5.

内有涉及營造法式之批評

暨雕刻記載。 (多屬於佛龕之類)中國式之日本古建築圖形及各省志書而 東河南四川之後漢墓碑。漢及後漢之自墓地掘出之陶器模型。自五世紀至十世紀之油 吾人欲深加研究,必須參考古時紀載方爲可靠。然此種紀載,爲數不多 久,卽此足以證明矣。至於無木料之建築,如牆壁橋塔之類,則不在此例。夫年代旣久 有三百年歷史者甚尠。明代以前尤屬罕見 建築本身。有不能耐久原因外。其他有關係之點。亦將依次述之。試觀當今存在之建築 爲惟一材料。非若吾人今日之用鋼鐵可比。故所造屋宇不能久存也。茲欲論者 有三千年文化歷史之中國。 而無古建築物。豈非奇事。蓋中國昔日之建築師 0 (明洪武初年爲西歷一三六八年) 0 己 可考者惟 其 不 ; 除 。以木 能經 中國

據祖 心此事。 朝代更替時 先方法 由 以上所述物體及文字之證明,可見中國人守舊心理之一 例如十二世紀中葉。女真韃靼建都於北京。宮殿式樣。悉取諸開封宋代宮殿 。京城之重建。 正如他事之遵守遺訓也 均極力摹仿古時之制度方法。言之甚詳 0 國家史籍並各地方志 0 斑 關於都城之改造 0 其對於建築 0 在華之外人亦頗 遷移 事 必 或 很

大壯麗 研究建築之歷史。 運至北京 而宋宫殿 即明朝前 實遠勝於巴比倫之尼尼 而以之建造新殿宇焉 又係仿傚洛陽唐朝宮殿者也 一百年)換言之,六百年前之木料建築。今日猶存在者。 則可上推至唐朝前八百 微微 0 綜觀 城 前 0 韃靼非特仿宋宮殿之形式 五十 例 0 车 。 可 知中 是時 國之建築。 秦始皇正建都 在六百年以 0 且將宮中之木 實屬 0 其 罕 内 者尚 觏 規模之宏 若專 料 可

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河之北 形式 矣 家 建 橋 寬百碼 妃嬪萬人。卽分散住之。每宮均隨時 \bigcirc 柱 一樑之形式 宫。 0 有七十餘萬罪人應定死罪者 0 均須造宅邸於城內 據歷 重新建築一宮於京城。更以所獲財實置於宮內。此類建築。計有 。莊嚴宏大。爲各宮冠 上 史云 此宮工程之偉大。久已盛傳於歷史。 層能容萬人。下層由地至頂之高 |横樑 類似屋 , 咸陽引伸至渭水東西若干 0 及兩頭石臺各一 演 ,係用木造成 而携其所有財物以居焉。 0 宮中 0 均罰之建此 準備 廊 0 0 雖然 長爲二八〇 廡 荲 0 以冀帝駕 滿懸絲製 0 0 , 足可 如此尚不足以愜始皇之意 其南北面積亦頗 新宮 即阿房宮是也。 碼 將 當君王克復 0 臨幸 干 織 及皇帝之陵寢焉 寬爲 物 碼長之旗竿直舉 也。此外 0 /一二碼 蔓延若干 中有 廣闊 地 尚 也。 0 殿 有六 有 里 全國富戶有十二萬 乃將所 0 0 其大可 十八 百四 與各 最大 故於河之南 東 西 全宮 | 毀宮 垜 十五 <u>Fi.</u> 殿 想 銜 百 殿之 而 八 碼 接 處 在 五. 知

築法式 讀秦朝 是故文字記載 夫咸陽城可謂極宏大繁華矣 歷史。有三種事實 縱使掘 各種宮殿形式 0 雖有時不免過 地 , 亦只可 0 7。均搜羅建築於都城。三,紀元前三百年時。 最爲明顯 甚其詞 **覔得帶文字花紋之磚** 0 然轉瞬之間 0 0 關於各種要點 , 秦始皇爲燒詩書之人。而未嘗改革 竟成 後生 瓦石片等物 0 或不致與事實相差太遠 0 除少數石 0 木 料 柱外 建築 中國藝術 均 付之一 終不 固 有之建 吾人 可 炬 考

偉大。 秦始皇可 世人遂公認統 稱 中 國 拿 ,破崙 中 國建 0 築制 廢除 度 封 建 0 制 爲秦始皇之功 度 0 而 併呑各小國 也 0 成 大帝國 0 因其事業之

達到最高程度

是時 增加不· 寺院有關 研究之書。 華麗字句 因恐日 距 中 ·國文學。 久湮沒無存 少於京都 魏朝被叛逆逐出洛陽已 0 爲「洛陽伽藍記」。 以描寫宮殿或 此書推行極 惟詩賦 0 五四 ,渠乃手寫誌記 七年 與 廣 爾宇 、地志 因 0 0 十三載矣。 書中詳述關 0 西魏大統十三年梁太清元年)有名楊衒之者。 此類之書。 至於志書。 材料最爲豐富 以待後人觀感。 以前共有一三六七佛殿,而存者不過四二一 於佛教建築之光華 則係記載某地之重要事實。 在今日異常稀 0 多數韻文。 在諸佛教建築之中, 少。 如古時之賦 0 在北 觀其 題 魏 目 時 殊爲 0 0 更有 用誇張名詞 該 卽 미 重詣 項 知 與洛 信 建 一巨塔 築。 茲欲 陽之 己

余以後將細述之。

存者。惟餘一一四五年本之鈔寫本六册而已。其中一 之變成灰燼無疑矣。迨宋朝改都杭州。遂又苦心搜羅。成一皇家圖書館。更根據原 得殘缺不全之頁。 等貴重書册。當圖書館遷移時 年商務印書館又用石印照原本尺寸將其翻印。據聞宋刋印本。尚存於北 九一九年 (民國八年) 前内務總長朱啓鈐君用石印將其印出 則重新翻印於蘇州。 (蘇州在宋爲平江府) 時爲一一四五年。 (紹興十五年) 係於建築者。一一二六年。女真韃靼佔領開封 **書之材料搜集編訂**。 才之官吏。旣精書法 年,(道光元年)手錄 依次查出。重新編校 極爲研究建築學者所珍貴。該書於一一〇三年發表。然在前七年。 種 ·誌記之缺點。卽無正確之年代。且無專門之條款。故現今翻印之「營造法 據云 蓋後 0 著述亦豐 , 0 此 即一一〇三年之本 ,並附藝術家王君謨之手繪。該册現置於南京國立圖 來所發表者 ?事係由朱啓鈐君總其成 。竟致遺失。但一九一八年。 0 如論音樂論馬等書) 0 即代此 0 以 而起者也。 。官署悉被焚毀。而各種建築圖 此 0 項 部爲一廿歲少年名張蓉鏡於一 陶湘君司其事。 殘 缺 在北 (書頁) 原書著者爲宋李誡 0 北京圖 惟面積較原來者稍 宋時 爲根 書館 0 據 其所司 煞費苦心 0 將作監已奉 乃 館 京皇宮。不幸此 長 得將 但在今日 職 書館 0 傅增 案 務 原 0 小 博學多 乃底於 二式一 來 革 八二 二無 來定 亦 多關 敕將 湘 在 體 次 頒 例 又

成。殊非容易。此書與鈔本曾經對照 並有附錄兩種 民國十 四年 0 爲近代圖畫之說 爲著書之集大成者 明 0 0 0 尙無錯誤 此書因印刷之精 爲彩畫之解述 0 内中說 0 0 明。 此 製訂之美。及批評之佳 八卷巨册 亦經建築專家改正 0 印於一九二五 故得 書後 年

風行

一時也

版翻 註釋。現代建築家。方能切實明瞭故也。書中所論 在中國古書中。已屬可貴者矣。本篇所列之第一圖。(A 與 B) (從略) 係自第一九二 是以有許多制度。 重要部份。且與古時希臘建築相似。故選此圖而 鑒於該書。關於宋代名詞。及當時建造之方法 |印者。著者之用意。非欲顯示顏料之精釆。乃因此種五色花紋。 在中國近年紛擾之中。有此成就。良可注意 係以 歷朝傳下之官訂標準爲原則 加以註 0 0 材料之採用 而所以有此成就 0 0 雖然,其能根據 除普通建築外。 解焉 0 記 載 0 官舍亦包括 甚詳 蓋因研 在中國建築中 事實。不涉虛 0 究建 但 必 藻學者 須 在 五. 加 張 内 佔 以 年

家 十七年) 建築家哈佛片尼 Willam Halfpenny 父子所集之雕刻銅版圖 他種中國學術者。 0 對於中國建築學。最有價值之貢獻。 法國之德米維尼君 M. P. Demieville 量質均遠不能 及 出版最早爲一七五〇至一七五二年(乾隆十五 然直到今日 曾著營造法式評論 0 此種關 於建築之著述。 書, 册 該 。 名 曰 書可謂爲歐美著作 中 較之關 國 廟 宇等 年至

新圖樣 形繪出者。該書之優點甚多。最顯者爲較他書少有錯誤是也 ambers 著 。版權卽爲該氏所有。至一七五七年, (乾隆二十二年) 又有建築家常博思 Mr. Ch ,關於中國建築一書。並附雕刻版圖畫廿一頁以資說明。 圖畫乃中國 畫師對原

九六年 (乾隆六十年。嘉慶元年之間) 瑞典王任渠爲武士。佐治第三George III 。更錫以爵位。令人稱之曰威廉爵士。卒於一七 之工程爲Somerset House。而常君之名亦與之永埀不朽。至一七七一年(乾隆三十六年) 氏園中Kew Yardens。創造中國式建築數處。如寳塔等。至今猶遺有威嚴景象也 材料。多係於是時搜集者。當一七五七至一七六二年(乾隆二十二至二十七年),渠在丘 常博思君。十六歲時卽在東印度瑞典公司任押貨員。遂得機會常到廣東。其著作之)。 最·

相似之論文。此外伯利羅哥 Paleologue 。 也。又伊東Pto 教授。在宗教與倫理學叢書 Ercyclojsadia of Aelifion and Ethics 中 繼之者,一八七三年(同治十二年) 有辛博森,W. Simpson 。 有顧銳坦。F. M. Grattan 。其中以辛博森之論著。最令人滿意。蓋因彼曾遍遊 一軍醫官。名蘭勃銳Lamprey 者。在英國建築學社論文中。 常君旣歿百年之內。西人竟無繼續研究建築學者。直至一八六六年(同治五年)始 布施Burhall。滿斯特白格 Munsterberg。三人合 有關於此題之一文發表 一八九四年(光緒 中國故 二十年 亦 有

annes 編之『中國藝術。 』及屈愛西 A. Choiry 畢羅艾 F. Benoit 表中國建築之式樣 此題也。雖兩書均 士Sir Bunister Fletcher 著之藝術史。則錯謬更多。所舉圖例。皆係揣度之形。而不 所著藝術考。余將詳論於後)寫成。立論之眼光較遠。至後來出版物 不免有舛誤之處 ,但後者係參考專門家之著作 所著 [藝術 0 史等 例 書 如夏萬尼 0 中 如 福 亦 來止爵 Chav-涉 及

話故也。按余所知中國建築學。除德米維尼M. Demieville 在讀李誡所著營造法式時 之眼光。以研究此種專門學問 有所得外。其他西方著作家。尚無研究者 ildbrand 所著。「北京大覺寺構造說明 」。 列舉。不勝其繁。亦出乎本題範圍之外。但可注意者,卽吾人必須用 關於中國之建築。或建築形式之出版物甚多。 故欲明瞭中國之建築。莫善於參考德國赫德博琅 因該書所載。旣無本地土語。亦少有匠人之行 或爲 專著。或爲雜誌 0 或爲遊記 西方建築學家 若

城也。 都之地。今日之形狀。更與周之都城相同 垣殘缺。街道汚穢之鄉鎭耳 多數西方著者。對於中國都城。 (北京) 雖經過改造遷都等變遷 。各種古蹟 此種論調 。考孔子之言。卽可證明矣。因宮中建築之大 不免過偏。 尙能保全。 均 有批評。 其實北京乃保存古代建築最 且吾人亦相 獨辛博森君謂 信 北京。自古即 ____ 北京不過 過 ⁵爲建 一 墻

alls and Gates of Peking。同等重要。亦此故也。該書不但能將建築圖型。留之永遠 分晰頗詳。在日人所著「北京皇城 」。暨「北京宮殿建築修飾 」等書中。則將其總括論之 有歷史背景。而所載營造制度。對於建築學家。價值尤大。席君手攝影片。在其書 但此等書多已無存者。至於郊外之行宮。書中極爲稱讚。關於古時對宮內裝飾之傳說 引證更詳。然極費苦心矣。 冠於全國。故每論及京城。 所著「北京宮殿考」The Jmpcrial Palaces of Peking。與彼近著之「北京城垣城門考」U 即在天子範圍之內 。是與他國不同之點。 席倫教授 Prof S 中 。 且

中。 計在内。今日中國内有戰爭之摧殘。外受西方文明之影響。古蹟日漸 係。在華三年 (光緒三十四年宣統元年之間) 九〇六年 (光緒三十二年) 白君奉德政府命。來華考察建築事業。及中國建築與文化之關 各點。多從簡略。因編是册之目的。祇在將今日中國之建築。用圖畫表彰而已。是以 獻國人。論中國廟宇建築者。計有兩卷。名「中國之建築。 不免稍有錯誤,但著者在序文中。已一一更正。並聲明所引證關於建造方法。歷史變遷 依建築之形式。分爲二十類。共有極精美之照片五百九十一種 能將本題提綱挈領。總括評論。首推德國之白希曼博士。 Dr Enst Boerschmann 。一 。遊遍十四省。結果將其所得著書數册 ☐ Chinesche Architelctur 0 淪亡 尚有許多圖 0 此册誠有永 初稿 未 册

築之著作。不止於此也。渠更積極編著「中國建築學文庫」。 出版者。有未印就者。荷學者研究某種重要問題。參考此書。必能十分滿意也 久保藏之價值。且此册雖文字材料不甚豐富。讀者不可以爲白君未多致力。 包羅甚 廣 0 類 휬 蓋渠關 亦多 於建 有已

嶽寺範圍以內,建於六百年前。原址爲魏代之宮殿。在五二三年時被焚。 塔係同時建成者 約有二千。現今存在者。以太室山之塔爲最古。太室山者。嵩山之分脈也。 建築學文庫中之一種。專論古塔。(其他西人論塔之著作。亦不少。)總計古塔之數 改建: 該塔屬 佛 廟 該

著作家。多半以爲其源起於印度。而中國之發明。不過在其進化中。佔小部 爲神話奇說所隱晦 足以證明此說 氏採納此種理論。而未嘗提出證據。以證明之。其實按之事實 南京瓷塔未破壞以前。該塔列爲世界奇蹟之一。此吾人承認最足代表中國建築者。 而入漢京。據傳說 在第二三世紀之間 寳塔,在中國爲點綴風景之物 。爲全可信也。吾人所得關 0 0 明帝使者。於西曆六十七年。偕兩胡僧自該國同來。其他 吾人知紀元前二年。有天竺使者。或中國人自天竺歸 相繼 而至。天竺人爲最熱烈之佛信徒。其名王干尼希卡 Kaniahka 。而西方則用爲紀念中國之象徵。在十九世紀中年 於佛教在中國初期之歷史。 。則現今所存之文字 殊属 者 稀 少。 份 0 始携 佛教 丽 而 己 然 徒 佛 往 0 丽

0 蓋 生於第一 世紀 。其藏骨之所。 即爲比斯哈哇 Beshauar 之宏大寳塔也

者。往印度遊歷 廟 除干尼希卡塔之解釋外。皆係述宋雲所領太后遣派之使者之傳記 書所記干尼希卡寳塔。又與本書討論之「洛陽伽藍記 」。(見前)互有關係也。書之末章 尼希卡。以及印度北部之大塔 彼曾被胡太后派遣 之風俗。或卽爲中國寳塔之形式。余將解述於後焉 成。下層用塼砌成若干級。内中能容三千人。 雖然存在 亦不少。惟皆未能將印 Jelliot 教授。曾寫 |世紀中葉。有一外國僧人。勸當時皇帝。建一寳塔於南京。後人就其原址 較爲可靠之歷史記載乃北魏惠生所寫。因五一 而此項廟宇表明虔誠之信仰,並非常存於建築之中也 關 於印度聖殿之記載。 .。殊殘缺不全耳。以上所述。係表明佛教最初傳入中國時之建築思想 0 在其遊記 一短篇記載中國二世紀時 0 携帶信 ·度建築之形式 中 徒 係佛教使者。 0 0 0 前往印 將比斯哈哇寳塔之面積,丈尺 用銅鑄成模型。 、。指示吾人。 度實地考察之故 連同 0 四 所建之佛廟 佛經佛像帶到中國 八年(又在 .圍環以廟宇。此種制度。 。裴君又引證在漢時中 斯爲可 五世紀時 魏神 0 或云 0 惜 據云 龜 0 。記述甚詳 元年梁天監 0 , 法國裴利阿 有一 渠更令印 0 0 此外中國 頂上以圓形之金屬 據佛教之傳記云 中 國信徒 或爲 度匠 十七 。但此 國有眞正之佛 信徒之著述 。改建瓷 Jrofessor J. 根據 车 人 遊記 同 名道岳 了。在 將干 時 時 印 度 塔 該 0

形式。與今日之塔。無甚差異 年(永熙三年)此塔被焚時。人民歎息。自不待言。且有三僧以身殉難。三月之後。火猶 形金頂。桅檣與塔之四角。以鐵練繫之。更以五千四百鍍金鈴鐺。懸滿全塔。當五三 未息。塔基餘燼延燒一年。工程之浩大。可想見矣。此塔雖係建於六世紀以前。 之。塔上有一百尺高之桅檣(原文作金刹)上挂三十碗形之金質圓物。最高之處 據著者之描寫此塔。必係都城內最精華之建築。高達一千尺。可於三十里外望見 洛陽伽藍記」第一章。係述一木質寳塔。共有九級。五一六年時熙平元年 ·。胡后勅 但構造 則爲 四

世紀初年。隋文帝在國中所建,八十三塔之一。 石塔。 (在滬寧路某站。距南京約十五里。) 是也。 (參考第二圖) 據傳說,此塔爲十七 上亦繞以較矮欄杆。不論是磚或石造成。其模型固與木塔無異。例如最古最華麗之攝 塔階面積。愈上愈小。每階之邊。環以欄杆。或綴以飛簷,視之頗似屋頂。 有時階

不如旁證中國之塔。較爲可信。余欲詳解中國之塔形。乃不得不搜集各處材料 地人之幫助。中國之塔。共爲兩種。 一種稱「臺 」。此種塔爲數最多。高約三百尺。國君 nepal 木塔之構造。係自古時傳下者。但印度之建築旣無存者。 今欲討論之問題。卽爲印度之塔究属何種。係木質 抑係塼石造成 又無記載)雖有· 故 難 人謂尼波 及賴· 證 明

初建於揚子磯頭之後。屢經修建。其命名之意義。乃由道教之傳說。謂曾有仙人 之例。如武昌之黄鶴樓。許多詩人。及美術家。以此爲題目。 者爲漢代之瓦塔。二千年來建築之原則。在古塔及東方古建築中 往往浪費金錢以爲塔之裝飾。 人民不免報怨也。另一種爲「 樓 而且 0 0 可以 除書籍記 自六世紀初年 顯示 吾人 述外 、跨鶴 0 0 可考 樓塔 此 飛 樓

善。但今日所存之七層建築。爲當日玄奘親手所成。葢無疑也。 築存於現在者,莫如著名之佛陀伽耶根本大塔Bodh-yaya 寺。 多級金塔字之寺院。故與臺同爲含有米索波利亞之遺傳性者也。古代印度金字塔式之建 以上兩種解說。不能包括者 皇帝允許建一四方五層之塼塔。高一八〇尺。 願建三百尺高之石塔於長安。 紀之物。或更早數百年 述其爲依外國風範而築。非依中國舊標準也。 由 部份。出於臺或樓,但容亦爲外國所輸入。其表範蓋爲印度之Viahnu Shrine 此言之。塔之起源 0 中國大旅行家玄奘。曾謁此寺,幷爲之記述 0 0 蓋爲墓碑。 以貯藏其所携歸之經典及聖物 或可列爲金字塔一類。是爲人類所築最粗陋之一 或盛骨之匣 (慈恩傳卷七) 此項建築 而每方最低之一級。長一四〇尺。 0 抑或爲中國固有之樓觀建築 0 據福品 在六五二年(卽以雁塔之名而 開森 0 ,歷來經過許多修 君之說 及其 永徽 歸 種 0 或 爲 思之。 書中特 三年 0 仍有 六世 。 及 乃 其 發 源

参差不齊之處 必爲出於印度。其實在之表範。 。但其主要部份。 殆爲佛陀伽耶Bodh-yaya 九級之廟 仍可視爲佛陀伽耶Bodh-yaya之風範 0 雁塔之外形 0 頗有

代包括三百年之久。其說亦殊模稜 總之,此問題尙未得相當解决。亦不知飛簷究起於何時。據白氏之說, 爲最可笑。其意曰:『飛簷似松樹之虬枝。而簷端之走獸 獨此也。飛簷式,直至紀元後五百年 然中國之先民。可謂 由此而得甚多之解說。多半毫無根據。就中如謂『源於中國之遊牧先民所用之帳幕 。』更有人謂:『由於特殊之氣候情形。不得不用高凸之屋頂。以洩霖 Boeschmann 則曰。『華人之用飛簷。葢欲表示人生之動作。且以象種種巖巒樹木之形 次於塔者,則中式之屋頂也。其飛簷之曲折。其豐富之裝飾。予外人以奇異之感想 遊牧民族乎。縱使如此。其所用之帳幕。卽爲吾人所見者乎。不 也 , 始 出現也。 尤以藍樸雷 SurgeonKomprey 氏 似松鼠也。』 非起於唐 雨 蔽烈日 白希曼博士D 也。 然唐 所說

nta 者。惟愛迪京君 之牆壁油漆。均可見其大概也 因吾人現在對建築學之知識有限。 Edkins 一人而已。古時印度之曲形屋頂 故不得不根據古代印度之一說。 0 於 Sanehi 之雕 但對此最 刻 0 有研究

屋頂之裝飾 。在中國更形複雜 。葢均有用意 。此處姑略之不細述。白希曼君舉例

釉之瓦 多。而於塼瓦及屋頂之裝飾瓦。則不甚詳。惟營造法式。論屋頂之處頗多。尤注重有綠

能將其意義與構造。一一解述。但觀第三圖之四種形式。亦可知其進步之程序矣。讀者 如能參閱白氏之著作。當不無補益 除本書第二圖之寳塔外。能表現中國建築藝術者。則爲第三圖之牌樓或牌坊 0 雖未

孛羅Marco Polo 橋。 (盧溝橋) 則相差遠甚。故不能引起西人之注意。雖然,此種建築 。實有研究之價值。白氏在其「中國建築學 」書中。竟致忽略。人皆異之也 中國河流旣多。橋樑自亦不少。且橋之形式。亦殊美觀。惟較六百五十年前之馬哥

仿宋重刊營造法式校記

體不同 爲誤 本互勘 李氏新集木經 又陶君附錄 以仿宋刋本 標出 民國乙丑 不敢臆改 如閒之爲間 引用之書 復以晁莊陶唐摘刋本 於焦竑經籍志周亮工書影二事 與四庫校本及丁本重校一過 曾以本書互校 重刋營造法式 疑以傳疑 證以原本 段之爲段 誠哉慎之又慎 本書前後互見者 茲幷附錄於後 蔣氏密韻樓鈔本對校 曾由武進陶君湘 **偏之爲遍之類** 斧落徽引 頃承 未及采錄 民國十九年四月合肥闞鐸 參酌訂正 人所習知 以石印丁氏鈔本 紫江朱先生之命 爬羅剔抉 補缺正誤 今爲補述 間有疑義 目瞭然者 於當日檢校疏漏 其各本相同者 宋史藝文志著錄 講求李書讀法 與文淵文溯文津三 折衷圖 仍不 算 列 舉 其 字 明 知 乃

甲 校記

箚子 第一頁第八行第三格 着當作差

依四庫本丁本改

看詳 第一頁第十行第十七格 垂當作懸

立者中埀 考工記埀作懸 此是避宋始祖玄朗之諱 見紹興禮部韻略 所載紹興重修

仿宋重刊營造法式校記

文書式 此字之諱 蓋自紹興始 亦足證丁本之根據紹興本也 其桓構等字 原本皆

缺文 内填淵聖御名等字者 今俱己改正 下條皆同

又 第十三行第二十一二格 第十四行第一字 衡以水 三字衍

所引墨子 爲法儀篇文 直以繩之下 無衡以水三字 今據删

又 第十四行第四格 垂當作懸

又 第二十一行第一格 韓下奪非字

第十四五格 班亦當作王爾

又

所引韓子 爲韓非子卷四姦叔弑臣第十四文 原文雖王爾不能以成方圓 王爾 四 [庫本

丁本皆誤作班亦 今據改 蓋迻寫時 因班字從王 爾之古文爲介 省作尔 與行書

亦字相似 以此致誤

又 第二頁第二行小注 隋當作墮

依四庫本改

又

第七格 垂當作懸 第三頁第十七行第一格考上奪周官二字

又

又 第四頁第二行第一格 刊當作匡

又

第三格 證當作正

王 三謬正俗 蓋避太祖之諱 唐顏師古撰 證乃正之誤 四庫總目 下文舉折條 稱宋人諸家書目 總釋取正條 多作刊謬正俗 皆已改 或作糾謬正俗

又 第五頁第五行第十三格 垂當作懸

又 第六行第三格 垂當作懸

又 第五頁第十六行第六格 禮當作官

又 第八頁第四行第一格 刊當作匡

又 第十一頁第二行小注 **摚**當作**樘**

又 第十七行小注 落當作落

後文法式六 露籬小注 落 四庫本作落 今據改

法式目 第六頁第八行第二格 瓦作當作冠作

第九行第四格 結瓦當作結式

又

四庫本丁本 泥瓦屋也 瓦作 按瓦爲冠之俗字 結瓦 用瓦 李書瓦作 厦瓦 瓦 畢 結瓦 施 瓦 施瓦 之瓦 皆作尻 瓦畢 皆應依四庫及丁本 玉篇 宽 五化

作記 餘仍作瓦 下同

切

仿宋重刊誊造法式校記

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第十一頁第五行第三格 瓦作當作冠作

又

又 第十一行第十三格 瓦作當作冠作

法式一 第一頁第十七行 標目奪總釋上三字

又 第一頁第二十一行第一二格 禮下奪記字 儒下奪行儒有三字

所引爲禮記儒行之文 依他條之例 應據改

又 第二頁第四行第九格 名當作民

第五行第十一格 爲下奪宮室爲三字

第十七格 宮字衍

第六行第二格 旁當作邊

又

又

又

所引墨子 爲辭過第六之文 而與原文小異 原文爲古之民未知爲宮 時 就陵阜 前

居

穴而處 下潤濕傷民 故聖王作爲宮室 爲宮室之法 曰高足以辟潤濕 邊足以圉

風寒 作爲宮室爲宮室之法 上足以待霜雪雨露 奪宮室爲三字 曰宮之宮字衍 宮牆之高 足以別男女之禮 邊誤旁 丁本及四庫本 民誤作名

第二十一行第二格 官當作禮

又

又

第二十二行 禮天子諸侯臺門天子外闕兩觀諸侯內闕一 觀

所引爲公羊昭二十五年傳何休解詁文 禮記禮器 有天子諸侯臺門 無下二句

又 第三頁第十四行小注 卩當作曰

木板字畫脫落

第十五行第十九格 商當作股

又

殷改爲商 係避宋太祖父弘殷之諱 下同 今改正

又 第四頁第十三行第八格 亭當作停

又 第五頁第十一行第一格 禮字衍

第十三行第六格 越字衍

又

依四庫本改

又 第七頁第五行第四格 准當作準

第十行第七格 垂當作懸

又

又 第十五行第一格 刊當作匡

又 第二十行小注 橡當作橡

所引漢書爲百官公卿表文 左右前後中校七令丞 將作少府 如淳曰 章謂大材也 景帝中六年 舊將作大匠主材吏 更名將作大匠 屬官有石庫東園 名章曹掾

仿宋重刊營造法式校記

師古日 長丞 師古曰掌凡大木也 今所謂木鍾者 蓋章聲之轉耳 武帝太初元年 東園主章 更名東園主章爲木工 掌大材以供東園大匠 章曹掾之掾 也 又主章 四庫

本亦不從木 今據改

又 第八頁第一行小注 至 當作 至

木板點畫脫落

又 第十五行第四格 角落當作各落

文選原文 及下文鋪作條引 角俱作各 今據改

又 第九頁第一行第一格 語上奪論字

第四行第三格 盧當作櫨

又

又

第二十二格 上下奪員字

據釋名改

又 第七行第八九格 醲 佹

宋淳熙本文選 按磥磥同字 佹訓重累 又訓支柱 上林賦連卷欐 佹

垝訓毀 意不合 仍以作佹爲是 垣墉圯壞曰垝 詩衛風 意李氏當日所見之本 乘彼垝 垣 又訓坫 或是如此 爾雅釋宮 今仍之 **垝謂之**坫 似與賦

六

又 第九頁第十行第九格 **榱**當作枡

第十二行第十二格 矯當作蟜

又

據文選原文改

第十八行第四格 都當作京

又

又 第十頁第二行第十一格 之當作以

第三行第二格 都當作京

第五行第一二格 何晏二字當删

又

又

書人名 皆其例 再見 應删 下同 總釋引書之書名 多先詳後略

如班固西都賦

王延壽魯靈光殿賦等

第二次

卽不

何晏字

第十八行第一二格

何晏二字當删

又

又

又

第六格 商當作股

小注 柱當作注

第十一頁第一行第一二格 第二行第九格 以當作而 何晏二字當删

又

又

又

第六行第一格 語上奪論字

仿宋重刊營造法式校記

Ł

第七行第八格 枕當作极

又

據爾雅原文改

又

第九行第四字第六格 极字也字衍

據釋名釋宮室第十七原文改

第十三行第九格 增生當作權

又

摚 文選作撐 注字林日 撐 柱也 樘 唐韻 集韻 韻會 同橕 徐鍇

曰

俗作

撐非 橕 音瞠 **橕之言定也** 無從手橕字 四庫本作 摚非 丁本引長門賦 說文

魯靈光殿賦 及注 皆從木 不誤

第十五行第十一格 悟當作悟

又

丁本 梧 啎 皆作迕 釋名 兩字皆作牾 按上一字 當作梧 下 · 字 當作啎

漢書王莽傳 亡所悟意 後漢書 桓典傳 悟宦官 皆作啎 俗刻作牾非 今據改

法式二 第二頁第一行小注 庋當作庋

所引儀禮爲鄉射禮文鄭注

庋作庪

文淵閣本亦同

今據改

第六行第九格 桶當作桶

又

又

第九行小注 榜當作榜

八

依四庫本 及本書諸作異名改

又 第十一行小注 相正當當作正相當

小注所引 係爾雅郭注原文 相正當作正相當 四庫本亦同 今據改

又 第十五行第四格 干當作于

丁本及四庫本皆作于 所引爲儀禮士冠禮原文 亦作于 今據攺

又 第三頁第二十行第一格 禮下奪記明堂位四字

又 第三頁第二十行第三格 廇當作廟

據禮記原文改

第五頁第十七行第五格 也下奪在外二字

第六格 爲下奪人所二字

第八格 幕當作摸也

又

又

又

釋名釋宮室第十七 門捫也在外爲人所捫摸也 障衛也 此條引作捫幕障衛 誤 今

依原文改

又 第六頁第一行第六格 搏當作塼

依四庫本改

仿宋重刊營造法式校記

第十三行第十二格 如下奪和字

又

第十四格 人字衍

所引爲漢書尹賞傳注文 今據改

第二十一行小注 者云當作也

第二十二行第七格 披當作邳

又

又

據文選改

又 第八頁第十行小注 邸後版也謂後版屛風 與染羽象鳳凰羽色以爲之

小注所引爲周禮天官掌次職設皇邸鄭司農注原文 而四庫本作邸後版也其屏風邸染羽

象鳳凰以爲飾 丁本與鄭注合 今仍之

第十四行第四格 屏下奪言字

第六格 以下奪屏字

又

又

釋名釋牀帳第十八 屏風言可以屏障風也 今據改

又 第九頁第十七行第二格 官當作禮

五代會要 乾祐元年閏五月 國子監奏雕印四經 内有周禮 又宋人所記五代監本

及北宋監本目亦同 本書它處亦作禮 今據改

又 第十頁第四行小注 乎當作胡

第十四格 慢當作慢

第十七格 遵當作達

第六行第十一格 進當作達

又

又

又

依四庫本改

第八行第二格 官當作禮

第十一行第二格 都當作京

又

又

又 第十一頁第一行第三格 堦當作階

又 第十二頁第三行第十格 一當作二

依看詳取徑圍 及四庫本改

法式三 第三頁第十八行第十一格 뭡當作時

木板點畫脫落下四條同

第十八行小注 "字當作空

又

又

又

第七頁第十行小注

丁當作下

第二十二行小注 柱當作柱

仿宋重刊營造法式校記

仿宋重刊營造法式校記

法式四 第二頁第十三行第六格 五當作四

又 第四頁第八行第二格 慢當作慢

木板點畫脫落

又

小注 面當作兩

又 第六頁第十八行第十四格 製下奪小注其騎枓栱與六舖作同九字

依四庫本補

又 第七頁第九行小注 蜉當作蜉

又 第八頁第四行小注 訛角枓 角下奪箱字

據大木作圖樣絞割舖作栱昂枓等所用卯口第五圖注增

又 第十一頁第四行小注 邊字衍

法式五 第二頁第十八行第二十一二格 背上當作上背

依四庫本及前條乙轉

法式六 第四頁第十四行小注 扇當作版

依四庫本及總目改

又 第九頁第十二行小注 落當作落

依四庫本改 落訓籬落

法式七 第一頁第十二行小注 眼格當作格眼

依四庫本及總目與下文他作乙轉

又 第二頁第十行小注 量攤擘扇數宜隨宜加減當作量攤擘數扇隨宜加減

上宜字衍

依四庫本及次頁槫柱頰條小注改

又 第十一頁第一行第十一格 者字衍

法式九 第一頁第十三行第十一格 下當作上

丁本四庫本皆作脚上 葢佛道帳之名件 從最下之龜脚爲始

前條有自坐下龜脚至鴟

尾 共高二丈九尺云云 即自下而上之證

又 第四頁第一行第七格 幌當作榥

又 第五頁第八行第七格 結瓦當作結記

又 第七頁第四行第二十格 第十五行小注 結瓦當作結瓦 結瓦當作結記

法式十 第五頁第八行第九格 結瓦當作結瓦

又

仿宋重刊營造法式校記

又 第七頁第二十二行第十一格 結瓦當作結五

法式十一 第十二頁第三行第二十一格 結瓦當作結克

法式十三 第一頁第十三行第二格 瓦作當作冠作

第十四行第五格 結瓦當作結瓦

又

又

第十五行第二格 結瓦當作結完

第十六行第十八格 結瓦當作結完

又

此條本文結瓦字 丁本多不作凮 與標題不同 似爲筆誤 今依他條之例 改正 下

同

又 第二頁第一行小注 結瓦當作結五

第三行第十九格 結瓦當作結式

第一行第十九格

瓦畢當作冠畢

第三頁第七行小注 第七行第三格 結瓦當作結記 結瓦當作結式

又

又

又

又

第十三行第十三格 施瓦當作施瓦

又

小注 結瓦當作結五

又

第十四行小注 施瓦當作施冠

又

又

小注前行 結瓦當作結記

又

後行 結瓦當作結記

又

又

第八頁第十六行第九格 之字衍

第四頁第十五行第一格

結瓦當作結實

第十頁第十四行 隨宜減之卷殺瓣柱當作隨宜減之卷殺蒜瓣柱

森當作蒜

俗蒜字

此文當是蒜瓣柱

而俗寫作森

四庫本 卷殺瓣柱 作殺菻瓣柱 玉篇 菻

應改爲隨宜減之 卷殺菻瓣柱

第十七行小注 獅當作貌

又

依四庫本改 他處師子 亦不作獅

又 第六頁第七行第三四格 間當作閣 至字衍

殿閣廳堂亭榭 見下塼作制度用塼條 今據改

又

第七頁第八行第八格

間當作閣

依四庫本改

仿宋重刊營造法式校記

五

又

依四庫本及前條改

又 第十二頁第一行第十九至二十二格 以青石灰四字衍

第二行第六格 青下奪石字

又

法式十四 第一頁第十九行小注 狗當作狼 **听**當作**砑**

又 第二頁第一行小注 茶當作茶

又 第五頁第十行第十二格 羜當作羚

第十二行小注 芳當作羚

第六頁第十八行第二十二格 一當作或

又

又

又 第七頁第二十行小注 王當作玉

木板點畫脫落

又 第九頁第三行第十一格 用當作刷

依四庫本改

法式十五 第六頁第十一行小注 甍當作覺

甍 四庫本作覺 與看詳諸作異名同 玉篇 驇 坯也 廣韻集韻訓瓦器 其與瓦異

釋名訓爲瓦脊 名 葢一爲成品 在上覆蒙屋也 一爲坯材 至甍則訓瓦棟 殆指以瓦結成之屋脊而言 左傳襄二十八年 與覺不同 猶援廟桷動於甍 今據改 丽

又 第六頁第十六行第十三格 八當作六

依四庫本改

又 第九頁第六行小注 露當作客

依四庫本及下文改

又

第八行第十一十二格 火候當作候火

依四庫本改

法式十六 第二頁第十三行第一格 工當作上

依四庫本改

又 第三頁第四行第二十二格 每一當作每二

依四庫本改

又 第六頁第十三行標題 彫鐫功下奪小注其彫鐫功並於素盆所得功上加

之十五字

依四庫本改

仿宋重刊營造法式校記

第九頁第二十一行第二十二格 櫻當作癭

依四庫本改

又

法式十七 第七頁第二十行小注 一鋪作當作六鋪作

依四庫本改

法式二十 第九頁第十七行小注 槫當作嫌

依四庫本及下條改

法式二十二 第二頁第十六行第三格 裹當作裏

依四庫本改

第十一頁第三行第十七格 幌當作榥

又

依四庫本改

法式二十三 第十頁第十九行 并行廊屋當作并挾屋行廊

丁本四庫本 殿身條行廊下 均有屋字 角樓條行廊下 無屋字 有等字 按之小木

作制度及功限所列 此條應作幷挾屋行廊 與前 兩條一律

依四庫本改

法式二十五

第三頁第二十一行小注

縛當作縛

一人

法式二十七 第八頁第十八行第五格 十當作百

依下條瓦一百口例改

第二十行第六格 丈當作尺

依塼作諸條改

又

法式二十八 第一頁第十八行小注 楼當作棒

依四庫本改

又 第六頁第六行小注 二尺當作一尺

依四庫本改

第八頁第九行第二格 應下奪使字

又

又 第十二頁第四行第十格 蜒當作蜒

依四庫本改

法式三十 第五頁 大角梁下小注 辨當作辦

鷹觜駝峯三辨、兩辨駝峯、辨均當作瓣

又 第六頁 杪均當作抄

又

法式三十一 第一頁第五行第十三格 第一之一當作十

仿宋重刊營造法式校記

依目錄改

第五頁 殿堂下奪等字

又

依目錄增

第六頁小注 八鋪作當作六鋪作

又

法式三十二 第十頁 第三之三當作一

依目錄改

法式三十三 第四頁 團科寶照團科柿蔕 科當作科 附彩圖同

第十二頁 **羜**當作 附彩圖同

第十六頁 科當作科 附彩圖同

又

又

依丁本改

又 第二十一頁 團枓 科皆當作科 附彩圖同

法式附錄 墓誌銘第一頁第一行第十六格 士當作事

第十八行第十七格 二當作三

又

法式後序 第一頁第十四行第十三格 姓當作名

補 遺

法式三 第十二頁 第六行 第十四格 量溢當作量溢

壘澁 丁本四庫本同 惟法式十六笏頭 碣 功限 及本卷角柱殿階基 皆作疊澁

改

乙 補諸書記載二事

西瓊島 言以當代之書 明焦竑經籍志 遊觀所至 統於四部 史官記注篇職官類之末 悉置墳典云云 又言宣德以來 有營造法式三十四卷 世際昇平 篤意文雅 小注曰宋李誡 廣寒淸暑二殿 其序文 及東

者 錄而· 百萬卷 志目 按明史藝文志 未詳卷數 今移於文淵閣東閣 蓋即此類 刻本十三 謂宣宗嘗臨視文淵閣 內閣書目箸錄而明言不全者 可爲李書宋刋原本 鈔本十七 臣等逐 一點勘 正統間楊士奇等言 至明萬歷間尙存之證 親披閱經史 編成書目 更爲可貴 三 云 云 云 以文淵閣書籍 是時祕閣貯書 焦氏據歷代 此較 明文淵閣書目之箸 現存之書 向貯 約二萬餘部 左順 門北廊 編爲 近

宋人李誠之 周亮工書影卷一 子晉家有此書 有營造法式三十卷 凡六册 近人著述 皆有圖 凡博古賞鑒飲食器具之類 欵 識 皆徽廟宮室制 高妙 界畫精工 度 如 艮岳華陽諸 皆有成書 竟有劉松年等筆法 宮 1法式 獨無言及營造者 也 字畫亦得 聞 海 . | | | | |

歐虞之體 紙板黑白之分明 近世 所 不能及 子晉翻刻宋人秘本甚多 惜不 使此 書 流

布也

作李誠之 按周氏所紀 至謂有艮嶽法式云云 三十四卷作三十卷 似指宋刋本 望文生義 其言界畫 又與四庫提要所稱 殆 亦 與讀書敏求記合 聞 所 聞 Ⅲ 研北雜志所誤相! 來 者 但書影賴古堂原刻本 似 實爲傳寫之訛 李誡

引木經 引經訓 法式 法式 編圖書集成之當日 卷宮室總部彙考 於營造法式之內 宋史藝文志雜藝類著錄 丙 爲之勘正如左 諸條之中 以同典所引之法式 益加詳晰耳 以宋李誡木經與營造法式互校 有定平學折兩條 古今圖書集成經濟彙編考工典 兩引木經 猶及見木經傳本耶 法式 李誡新集木書一卷 (晚出 與之斠較 而卷數在後之宮室總部彙考 木經被其包含 與所引木經之文 惟考工典第七卷木工部彙考 欵式如舊 近代未見傳本 於此益信 第十一卷規矩準繩部彙考 上下互列 全然相同 且標題日 今以圖 每疑木書卽木經 異同 特法式係屬看 [宋李誠 瞭然 書集 又引宋李誠 成 考工 木經 再以 第三十五 (重刋本 典 已包含 然則 所 援

木 定 平 正規圖 矩準集 繩成 部考工 典

定 之制 旣 四 方 據 其 位 置 於 四 角

尺 四 各 立 寸 表 廣二 寸五分 當 心 安水 高 平 二寸 其 水 下 平 施 長 立

樁 上 面 長 横 四 坐水 尺 平 注 安爨 兩 頭 在 任内 此四字法式重任内 此四字法式重

分 深 寸三分 注 或 中 心 更 開 池 寸 者

方深 同 刊本作小注同此十字法式重

身 兩 内 頭 開 槽子 池子 内 各用 廣 深 各 水 浮子 五 分 枚 令水 通 注 用 過 於

池 者 水 浮 子 或 亦 用三 枚 刊本作小注同此十二字法式和 重

薄 方 寸 其 厚 五 分 分 高 浮 寸二分 於 池 内 望 刻 上 兩 頭 頭 **令** 水 浮 側

樁 子之首 卽 知地 之高 遙 對 下 立 表 注 若 處 槽 内 於表 如 有 身 不 内 可 書 用

卽

知地

之高

書

記

頭

水

浮

頭

令

側

宋 李 誡 營造 法 式 部又 引木

定平 之制 旣 IF. 四 方 據 其 位 置 於 四 角

尺 四 各 寸 立 廣二 表 寸 當 五 心 分 安 水 高 平 寸 其 水 下 平 施 長 立

樁 長 四 尺 安鶵 在 内

分 上 面 深 横 坐 寸三分 水 平 兩 或 頭 中 各 開 心 更 池 開 池 方 者 寸 七 方

深 同

兩 身 内 頭 開 池子 槽 子 内 各 廣 苚 深 水浮 各 五 子 分 枚 令水 用 通 過 池 於

子 薄 方 者 之 首 寸五 其 水 厚 浮子 分 遙 對 分 或 亦 立 高 用 表 浮 寸二分 於 處 = 池 枚 於 内 表 身 望 刻 内 上 兩

仿宋重刊誊造法式校記附錄

水 處 即 於樁子當心 施 墨線 道 上 埀 繩

墜下 繩 對 墨線 心 則 上 槽 自 平 與

用 水 其 槽 底 與 、墨線 兩 邊 用 曲

尺

同

令方 IF. 小注又水浮椿子椿字衍此五十六字法式重刊本作

凡定 柱 礎 取 平 須 更用 貞 兒 較 之 其 貞

尺 長 丈八 尺 廣 四 寸 厚二寸 五 分

當 心上立 表 高 四 尺 注 廣 厚 同 上

小注同又貞尺作眞此四字法式重刊本 尺作

於立 表當 心 自 上 至 下 施 墨 線 道

埀 繩 墜 下 令繩 對 墨線 心 則 其 地 面 自

平 兩 邊 注 其 眞 亦 用 尺身 曲 尺 上平 較 處 L. 引無此文法式重刊 此二十三字木工部 與 立表 上 墨 線

地本 面自平上多一下字作小注又木工部引

李 誡 木 經 折 典宮室總部司」圖書集成考工

折 之 制制 先 以 尺 引工 寸爲尺

> 凡 定 柱 礎 取 平 須 更 用 貞 尺 較 之 其貞

當 尺 長 心 上 立 丈八 表 尺 高 四 廣 尺 四 寸 廣 厚 厚二 寸五 分

同

上

於立 表當 心 自上 至 下 施 墨 線 道

埀 繩 令繩對墨線 心 則 其 下 地 面

自 平

擧折 之制 先 以 尺爲 丈 以 八寸爲尺

以

以

四

建之屋 分 卯 折 之 眼 爲 之遠 圜 寸 和 近 於 以 平 釐 然後 爲 Ē 注 今俗謂之定 分 壁 可 見 上 屋 以 定其 内梁 毫 爲 側 柱 學之 釐 之高 樣 峻 側 慢 畫 亦 下 所 日

柱 點 方 屋 草 心 頭 之法 架此十二字木工部引無此文法 作 相 去 或 遠 不 如殿 出 近 跳 閣 分 樓 者 爲 臺 三分 則 先 用 量 式 前 後 前 注 若 檐 後 餘 橑 橑 屋 檐

刊本作小注同此十八字法式表 從 橑 檐 方脊至 脊 槫 背 擧 起 分 注 如

重

屋 三尺 卽 擧 起 丈之 類 部此 引用無二 無此文法
一字木工

方脊作、式重刊 廊 以 如 甋 四 屋 17方背如作若刊本作小注同又 分 瓦 廳 得 及 堂 丈 瓪 尺 瓦 卽 廳 四 堂 每 分 中 尺 每 加 擧 起 尺 八 分 加 分 五 分 若 又 甋 通 或 瓦

> 分 卯 折 建 之屋 之 爲 眼 圜 之 寸 遠 和 於 以 近 平 釐 然 合然庸峭亦作忠法式重刊本峭堤 後 爲 正 壁 分 可 見屋 -以 内梁 毫 定 上庸峻此二字 慢作峻慢 其 爲 **注柱之高** 學 釐 公二字本相! 之 峭 側 慢 畫 所 通經

方 擧 頭 作 屋 心 之 或不 法 相 去 出 遠 如 跳 近 殿 閣 者 樓 分 爲 臺 則 \equiv 用 分 先 前 量 後 檐 若 前 餘 後 柱 屋 橑 心 柱 檐

從 橑 檐 方 背 至 一脊 槫 起 分

以 如 瓦 四 甋 廊 分 瓦 屋 廳 所 堂 及 得 甋 丈 瓦 R 卽 廳 四 堂 每 分 中 舉 尺 每 起 加 尺 八 分 加 分分 五 分 又通 若甋

屋不 瓪 刊此 瓦 T本作小注同 此十九字法式表 加 廊 屋 之數 其 副 重 階 或 每 纏 腰 尺 加 並 三分注若 三分中 兩 舉 椽

折 屋

背 尺 平 若椽數多 上 先從脊槫背 每 折 寸五分之類 第 架 屋 第二 每縫 自上 之法 下至橑檐 縫 縫 折 並 遞 減 上 減 卽 以 文法式重刊本作业 尺 逐縫 尺 方背 取 半 上 揧 縫 平 ·爲 高 第三 之半 取 又從 法 尺 平 於 下 丈 縫 第二 上 至 如 1小注同 一部引無此 皆 第 橑 五. 注 擧 每 如第 下至橑 縫 修槍方 寸 高 ___ 尺 折 縫 折 第 背 槫 丈 縫 尺 檐 背 四 寸 縫 方 取 其 卽

簇 角 梁

簇角梁之法 用 三折 先 從 大 角 背 自 橑

> 椽 或 屋 瓪 不 瓦 廊 加 屋 之數 其 副 階 或 每 纏 腰 尺 加 \equiv 並 一分 二分中學 若 兩

分

先從脊 背 若 平 上 折 每 椽數多 架自上 第 屋 下 之法 每 **.**博背 縫 至橑 縫折 遞 並 橑 三尺 減 減 卽 上 以 上 方 取 逐 半 擧 一縫之半 背 縫 平 爲 高 取 又從上 法 尺 平 於第二縫 下至橑檐 丈 如 第一 皆下 揧 每 高 尺 至 折 縫 方 折 二丈 橑 槫 背 檐 背 尺 寸 方 取 其 卽

簇角梁之法 用 折 先從 大角背自 橑

梁 檐 盡 背 處 方 心 半 注 其 量 簇 向 並 角 上 上 梁 折 簇 上 至 帳 下 梁 桿 卯 斜 並 出 向 心 卯 棖 桿 中 取 揧 大 下 角 分 折

簇 梁 同 ·刊本作小公 注記司 重

簇梁當 令 折 次 大 角 中 從 簇 梁背 梁 折 上 ·刊本作小学 簇角梁 心之下 折 簇 斜 向 梁 注法司式 中 半 盡 上 <u>寸</u> 處 折 又 重 次 半 簇 中 梁 從 折 量 橑 簇 與 至 梁 當 橑 上 檐 折 心 方 斜 檐 簇梁 近 心 向 方 下 上 心 下 半 注 立 折 取

其 尺 折 於弦 分 並 L 同 取 折 方量之 屋 定之制 用 注 瓪 唯 瓦 量 者同 折 字法式 以 曲

小重 注目本作

按宋 意 世 預 撰三 木 經 卷 有 自宋 預 浩 初 李 相 誡 傳 種 至 宋 史藝 文 志

梁 檐 盡 背 方 處 心 半 其 簇 量 角 向 並 梁 上 上 折 Ŀ 下 簇 至 帳 梁 桿 並 出 卯 斜 卯 心 向 中 棖 桿 下 取 折 揧 大 角 簇 分

梁 同

簇 大角 次 中 折 從 折 簇 梁 梁背 梁 當 簇 上 角 折 心 之下 梁 斜 簇 梁 向 上 中 半 盡 又次 立 半 折 處 中 簇 梁 從 折 與 量 橑 簇 上 至 折 梁 當 檐 橑 簇 斜 心 檐 方 角梁 近 心 向 方 上 心 立 半 折 取

之 長 同

之

長

同

於 其 弦 折 分 上 並 取 方 同 量 折 之 屋 之 制 用 瓪 唯 瓦 者 量 同 折 以 曲 尺

治 平 四 年 歐 陽 稱 修 李 撰 **操** 歸 爲 田 新 錄 集 時 木 經 猶 有 殆 今行 示 崩 於 預 世 撰 者 並 是 存 之 也

之語 撰 紹聖元年沈氏卒以前 惟歐沈相距 或見諸法式舊本 沈氏之生 蓋不知木經有預李之分 而圖書集成所引李經 殊爲可異 想己親見其書 後於歐陽氏二十三年 僅二十年 至說郛刺取法式看詳 以沈氏之淹貫 沈括夢溪筆談所引 且法式敕刋海行 又俱在· 又適與法式看詳 强並爲一 太平之世 何至仍疑 遂滋紕繆耳 而熙寧中法式之敕編 刋作木經 相合 沈氏不應未見 **浜爲預撰** 歐陽氏所見之書 營舍之法 於是預經與李經之不同 而妄以筆談論預經一段 况遍檢法式 謂之木經云云 如營舍法 元祐中法式之成書 沈氏竟不敢定爲誰氏所 並無營舍三分之語 出自李撰木 疑即預經之文 益有明徵 刋作跋語 皆在 經

徵求營造佚存圖籍啓事

逕函敝社。商搉辦法。謀其流通。如可割愛。不吝重酬。 外收藏家。藏有後列各種書籍。或有類此之孤本。不論書籍圖樣 本社前經徵求李明仲先生著述已佚諸書 1。諒蒙 鑒及。現因研究營造考古學。如海內 倘荷 0 鈔本刻本 均祈

賜敎。不勝厚幸。

營造正式六卷 焦竑經籍志職官著錄

梓人遺制八卷 焦竑經籍志職官著錄

按以上二種。焦志列於李氏營造法式之前。又焦志自序。 有以當代現存之目 統於四

部之語。則此書在明萬歷間。尚存。

元内府宫殿制作一卷 永樂大典本 四庫存目著錄

名氏 司 按四庫總目八十四。史部政書類存目二。元内府宮殿制作一卷。永樂大典本。不著撰人 '。私相傳授之本也 '。所記元代門廊宮殿制作甚詳。而其辭鄙俚冗贅。不類文士之所爲。疑當時營繕曹

造磚圖說一卷 明張向之撰 四庫存目著錄

按四庫總目八十四。史部政書類存目二。浙江巡撫採進本。明張問之撰。問之、慶雲人

三家。甎長二尺二寸。 手 ~。運 必面背四旁。色盡純白 嘉靖癸未進士 又以松枝柴燒四十日。凡百三十日。而後窨水出窯 ,。承 自殺者。乃以採煉燒造之艱。 其書成於嘉靖甲午。而明之獘政。已至於此 營建宮殿。問之往督其役 而 以托版 晒。 晒 0 築地 而椎 。官至工部郎中。 0 研以石輪 。椎 以 / 晾之。 徑一尺七寸。 而 春 無燥紋無墜角 0 椎以· 布瓦 。春而磨 0 每事 凡需 木掌 以 自明永樂中。始造甎於蘇州 先以 /晞之。 其土必取 甎 繪圖貼說 0 。磨而篩 避風 糠草薰一 五萬 0 勒 叩之聲震而清者。 避日 以 城東北陸墓所產 0 鐵 而造製三年有餘 0 。凡七轉而後得土。復澄以三級之池 進之於朝。 月。 弦 。葢其法度陵夷 0 置之陰室 0 乃以片 踏以 。或三五而選一 人足 冀以 柴燒 乃爲人格 0 0 0 而 0 乾黃作金銀 0 責其役於長洲窯 感悟 乃成 。民生塗炭 日 凡六轉而 月 日 0 輕築之 0 0 0 其 費 亦鄭 或數 又以 窯戶 後 色者 有不 、柴棵 千而 俠 不貲 成泥 0 繪 閲 戶六十 待 流 勝 選 燒 0 掘 八 0 揉 其 月 民 m

累而 靖中 意也 月 按四庫總目八十四 萬歷之末矣 以 運 0 而後成坯。其人窯也。防驟火激烈。 **濾以三重之羅** 西槎彙草一 卷 史部 明 襲輝撰 政 書類存 四庫存目著錄 <u>目</u> 一。 西 [槎彙草 卷 浙江 范懋柱 家天 閣 藏 本 明

Ш 險惡 又附載詩文數首 詩文。名以彙草 皆剴切酸楚。 。得大木五千餘株 轉運艱苦等狀 使人感動。 [。其曰] 。其編次殊無體例 0 0 爲十 版枋如之。 西槎彙草者 與張問之造甎圖 五 圖 0 部箚欲再倍其數 前後 。且詩文寥寥數首 0 輝 嘗使 各作 浙東 說 圖 說 相等 0 0 具奏 故此名西槎。 0 。自當以採木 公私 0 又皆不工 0 竟得旨停止 俱 困 0 民情 圖說爲名 以別之也 0 益 爲 洶 0 無謂 後 洶 列 0 0 0 不當 其圖 箚子 輝 矣 乃 0 **四說答** 更贅 繪 今仍著 Ш 附 亭]1]

南船紀四卷 明沈密撰 四庫存目著錄

錄政書中。從所

重也

江船, 撰 合 例 有吳江水利考。已著錄。是編乃啟嘉靖中 按四、 内 帷 0 0 案明史兵志。太祖於新江 庫總目八十 也。 然參考推益 遮洋備倭一 無不詳悉備載 又職官志所載各船 一種 应 。未始非 0 0 爲 海 史部政書類存目二。 國朝江第 中 船政之權輿 所 有黃. 府 用 。設船四百 0 0 故啓 設同 船 也 0 不之及 遮洋 知 南船紀四卷。 0 以南工 員 船 0 永 0 0 樂初 淺船 其餘各船圖 專管督造戰船 部營繕司主事。 0 0 又命 馬船 江蘇巡撫採進本。 形 鎭 0 Í 江 風 0 ||料數| 今昔宜異 快 各 監督 府 船 自 衛 0 備 龍 0 0 倭戦 明沈啓 暨因 造 江 0 提舉 海 其制已不 革 船 風 撰 典 船 司 諸 司 時 名 0 諸 皆 所

水部備考十卷 明周夢暘撰 四庫存目著錄

前後多所更革。難於稽考。因檢校案牘。以類編次。各立綱目。分爲職官、河渠、橋道 按四庫總目八十四。史部政書類存目二。水部備考十卷。浙江巡撫採進本。明周夢暘撰 、舟車、織造、器用、權量 夢暘、字啟明。南漳人。萬歷甲戍進士。官至工部都水司郎中。以工曹職: 徴輸、供億 ` 叢事、凡十考。末附吏典承行事件。 掌冗 書成於 **涗雜。又**

萬歷丁亥。

誉造法式印行消息

並 本社創立以來中外同志紛紛以 印行營造法式緣起及發售簡章附印樣本茲特轉錄如左 ,購求營造法式相屬苦無以應頃者上海商務印書館發表 人廣告

甲 印行緣起

研究著爲評論引起世界工學家注意李氏生於八百年前而編纂此書類例清晰舉凡壕 注色圖樣摹繪十五色套彩石板以實測科學方法校訂翻傳繩墨規矩絲毫不爽較 遂使專門絕學不顯於世此本廣徵諸家藏本借勘三閣官書依崇寧本行字校寫鋟 氏述古堂影宋再傳本輾轉影寫頗多譌脫而錢張兩本世亦不傳良以吾國積習輕 搜訪影摹猶有殘闕今四庫影宋補配大典本卽從此出近世故家抄藏大都傳自愛日 傳法式及在官經歷詳悉講究而成在崇寧二年奏請鏤板者爲崇寧本南 營造法式三十六卷宋將作少監李誡奉勅編書分總釋總例制度功限料例等第並圖樣等總三 建築學之意原爲武進陶氏家刋民國十四年書成曾一度印行流 善其校字圖繪製板並出中外學者之手歷時七載而后觀成蓋於存古之中並寓闡 重刋者爲紹興本皆官爲刋傳民間流播絕鮮前明中葉傳世已無完帙以范氏天一 十六卷計三百五十七篇内四十九篇誡從經史羣書中檢尋考究其三百八篇根: 布有限歐美學者嘗加 渡後 知平江 據 明吾 閣蓄 宋 木 藝士夫弗講 歷 槧 準 紹 精 府 來 寨石作 l國古代 廬爲錢 以 尤爲精 聚之富 事 工 分詳密 王晙 興 師 本 相

印行以廣流傳誠營造家至有價值之圖籍也 師不傳之祕鑰藉此以存與一般諸子百家詳於理論略於實質者不同板權今歸本館茲照原板 大小木作雕旋鋸竹瓦泥釆畫塼窰刷飾諸匠作名詞完備具有今世科學條理吾國數千年來工

乙 發售簡章

八册合裝一函用上等瑜版紙木版石版精印 (一) 全書六百十五葉 (內單色圖 一百二十七葉雙色圖四十六葉彩色圖四十五葉) 分訂

- (二)每部定價七十六元
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- 五)欲索閱樣本者函示卽寄但須附郵票四分

社事紀要

歲杪 費用。併訂明將來研究所得結果。及編繪成式之一切書籍圖 求。更各出所藏。或以所知所見相助 集所得之成品。 園董事會。展覽圖籍。及營造學之參考品。固應同志之要求。亦以頻年 時組織團體 境所限。恐未能專心致力。 有與中美文化關繫之經過。今節錄往還書牘如左 畫之大槪。提出於中華教育文化基金董事會。至六月之杪。經該會第五次年會議 海圖書館。七月五日具函見告 民國十八年春 始租定北平寳珠子胡同七號一 自勵互助。乃發表中國營造學社緣起一通。并於三月下旬。在北平 及其資料 0 中美文化 。堆積緘 卻不敢承 方面 膆 0 屋 適因 時 0 0 不得不加整理 裨益亦多。六月初 顧以平生志學所存。 0 以完成中國營造學之研究 由 旅 津移住 遊遼寗 0 0 未克即 於十九年一 0 且 0 經披露 時 畫。 内外知交屬望之切 始以繼續研究中國營 到平 月 應與所收之材 0 來相 0 0 中外 迭次 日 以 勸 0 開 函 朋 來 勉 始 商 好 0 編 料 Ι. 爾 造學計 作 迄於年 ·。 一併 聲 决 中 亟 摩 時 補 應 及 應及 爲 Ш 所 氣 助

(1)十八年六月三日致中華教育文化基金董事會函

因環境關係無力完成尙擬繼續 敬啟者夙聞 貴會對於科學文化極力提倡甚深佩 進行 ·甚願 貴會格外設法予以協 仰鄙 人研 究 中 -國營造學已二十 助茲特以 研究計畫之大 年近

社 事 紀 要

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