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Figures of Dissertation

Baihua Ren

M.A. (University of Bristol), 2014

B.A. (Central Academy of Fine Arts), 2013

Submitted in fulfilment of the requirements for the Degree of

Doctor of Philosophy in History of Art

School of Cultural and Creative Arts

College of Arts

University of Glasgow

September 2020

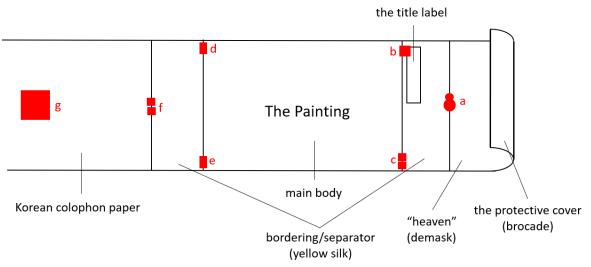
キャックシュア

Figure 1 Attributed to Wei Xian (ca. 10th century) *The Water Mill* handscroll Shanghai Museum, Shanghai (Photo by Zhang Yilin, from *Songhua quanji*, 2-1, 14)



Figure 2 Attributed to Wei Xian (ca. 10th century) *The Water Mill*, ink and colours on silk, 55.4 x 124.1 cm, Shanghai Museum, Shanghai (Photo by Zhang Yilin, from *Songhua quanji*, 2-1, 14)

The Full Xuanhe Mounting Style Scroll



- a. A "Yushu" calabash-shape seal between the Head Section and the Former Bordering.
- b. A square seal showing two Chinese dragons beside the title label by Huizong Emperor, usually between the Former Bordering and the painting.
- c. A "Xuanhe" seal which were constituted of two small seals for each word, at the bottom of the gap between the Former Bordering and the artwork.
- d. A "Zhenghe" rectangular seal at the top between the painting and the Latter Bordering.
- e. A "Xuanhe" rectangular seal at the bottom between the gap of painting and the Latter Bordering.
- f. A "Zhenghe" seal which were constituted of two small seals for each word, stamping between the Latter Bordering and the colophon paper.
- g. A large "Neifu Tushu Zhiyin (Seal of the Official Inventory Collected Paintings and Books)" quadrate seal at the middle of the colophon paper.



Figure 3 The full *Xuanhe* mounting style for a painting handscroll

Figure 4 Detail of *The Water Mill*, the seal *"tianli zhibao* 天曆之寶" and the evaluation *"shenpin shang* 神品上" (Photo from *Songhua quanji*, 2-1, 15)



Figure 5 Detail of *The Water Mill* the mutilated signature of Wei Xian (Photo from *ZGHHMP*, vol 21)



Figure 6 Attributed to Zhang Zeduan Along the River During the Qingming Festival Around 1085-1145, ink and colours on silk 24.8 cm x 528 cm Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/228226)



Figure 7 Unknown *The Water Mill in Valley* Around the Yuan Dynasty, ink and colours on silk 153.5 cm x 94.3 cm Liaoning Provincial Museum, Shenyang (Image from ltfc.net/img/5be1da713d334d1409ccb4b8)

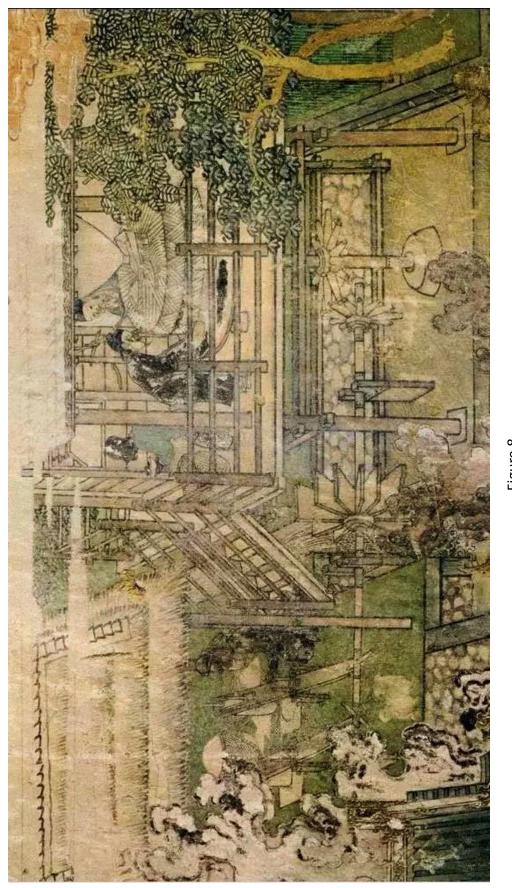


Figure 8 Wang Kui (1100–?) *et al. The Water Trip-Hammer and The Water Mill* mural painting (1158–1167) Yanshan Temple, Fanshi County, Shanxi province



Figure 9 Wei Xian (ca. 10th century) *Gaoshi Tu* Five Dynasties, ink and colours on silk 134.5 cm x 52.5 cm Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/234557)



Figure 10 Attributed to Jing Hao *The Mount Lu* About Northern Song, ink on silk 185.8 cm x 106.8 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=506)



Figure 11 Attributed to Guan Tong *Passing Through Mountains* About Northern Song Dynasty, ink and colours on silk 144.4 cm x 56.8 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=15)

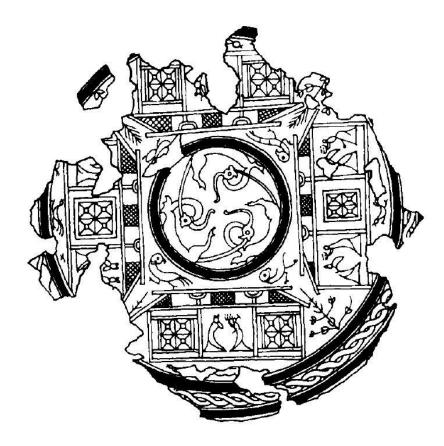
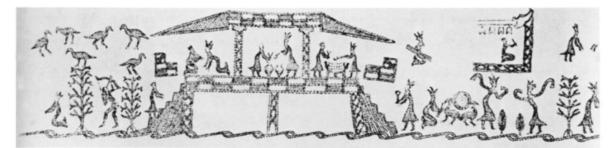


Figure 12 A lacquer painting with architecture image No. 1 tomb of Langjiazhuang (Eastern Zhou), Linzi, Shandong province (Image from *Wenwu*, 1998: 3, 75)



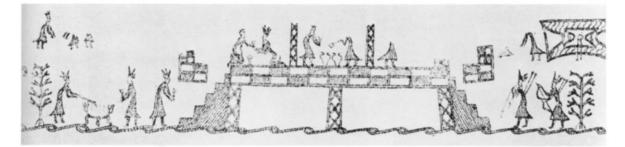


Figure 13 Image inside an oval bronze bowl Shanghai Museum, Shanghai (Image from *Wenwu*, 1961: 10, 29)



Figure 14 *The Banquet Scene* (Eastern Han), mural painting the west tomb M1 of Dahuting Han tombs, Xinmi, Henan province

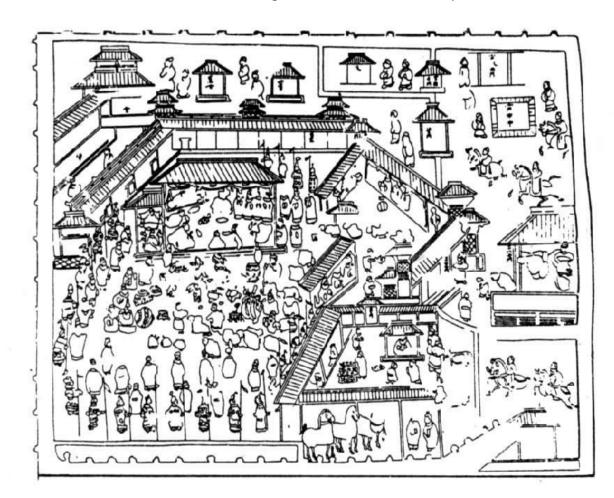
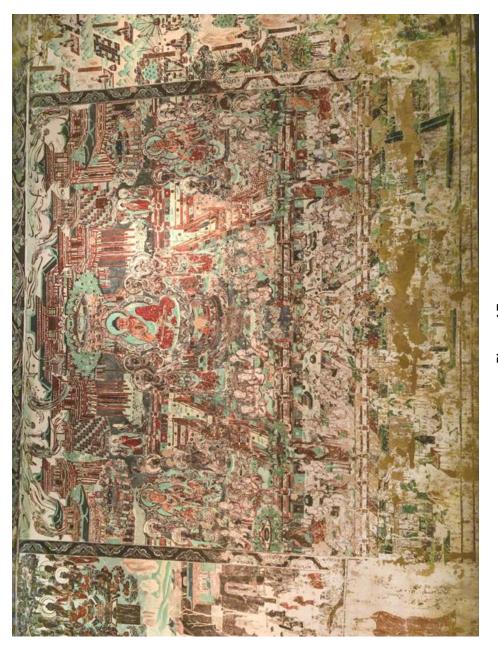


Figure 15 The Ningcheng City, line drawing from mural painting (Eastern Han) Horinger tomb, Ulanqab, Inner Mongolia Autonomous Region



Figure 16 Pottery structures (Han) Henan Provincial Museum, Zhengzhou (Photo by BR)



cave 217, Dunhuang, Gansu province (Image from *Dunhuang Academy*, "Mogao Crottoes, 217 cave, the glorious age of Tang Dynasty", tour.dha.ac.cn/content.aspx?id=596635627595) Western Pure Land Illustration Figure 17

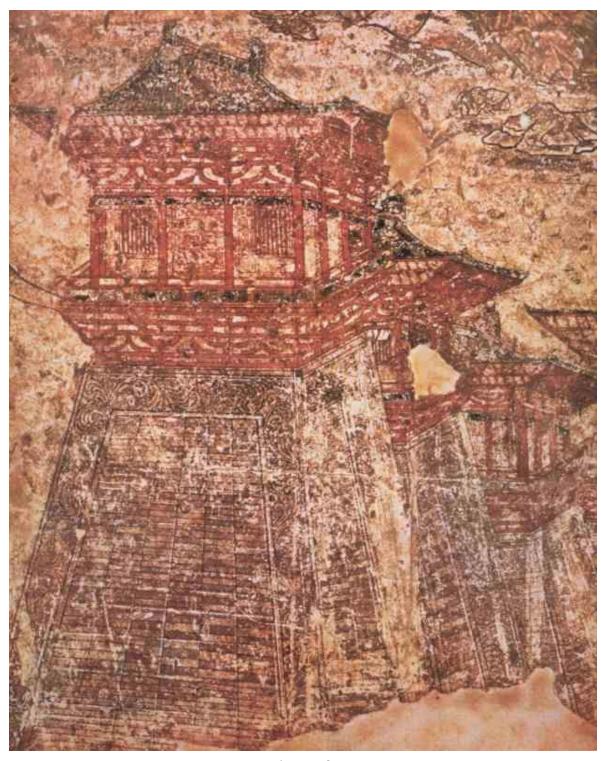


Figure 18 *Quelou Tu,* mural painting (Tang), the west wall of Yide prince's tomb, Xianyang, Shanxi province (Image from *Wenwu*, 1998:3, 78)

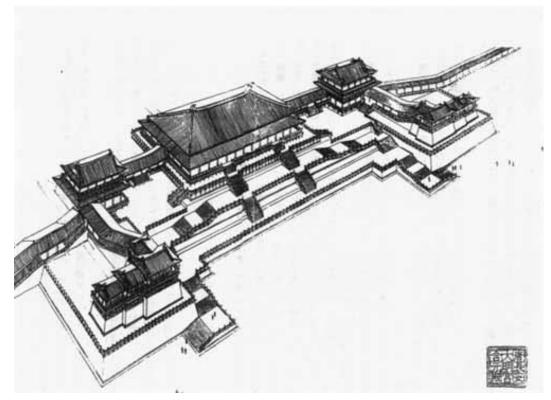


Figure 19 The reconstituted image of Hanyuan Palace (Tang) (Image from *Gongdian kaogu tonglun*, 437)



Figure 20 Detail of *Western Pure Land Illustration*, cave 217, Dunhuang, Gansu province (Image from *Dunhuang Academy*)



Figure 21

A person drawing lines of architecture with ruler, brush and a bamboo chip (Image from www.greatwuyi.com/mbrb/2008-11/14/content_323791.htm)



Figure 22 Attributed to the Huizong Emperor *Auspicious Cranes* Northern Song Dynasties, ink and colours on silk 51 x 138.2 cm Liaoning Provincial Museum, Shenyang (Image from www.Inmuseum.com.cn/huxing/show.asp?ID=6787)

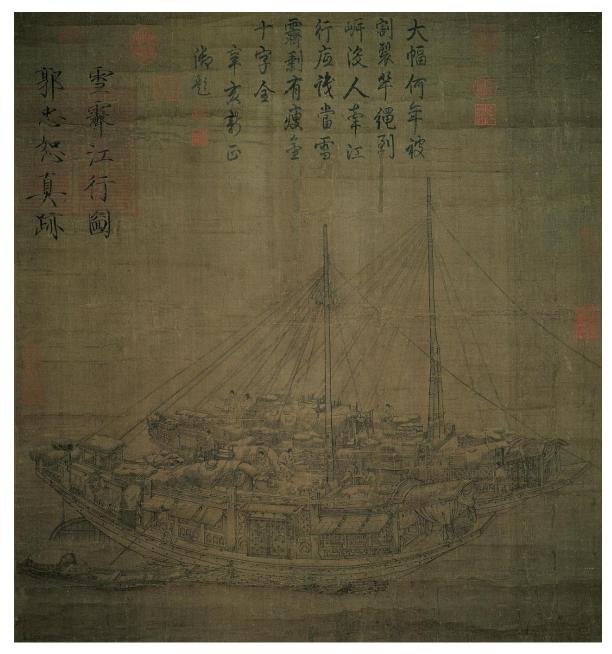


Figure 23 Guo Zhongshu *Travelling on a River After Snow* Northern Song, ink on silk 71.4 x 69.2 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/getCollectionImage.aspx?ImageId=547321&r=76592045030)



Figure 24 Attributed to Guo Zhongshu *Summer Palace of Emperor Ming Huang* ca. 12th to 14th century, ink on silk 105.6 x 161.5 cm Osake City Museum of Fine Arts, Osaka (Image from artsandculture.google.com/asset/QgHf24a1IUW0rA)



Figure 25 Li Song *Watching the Tide on a Moonlight Night* Southern Song Dynasty, ink and colour on silk with gold 22.3 x 22 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=14533)

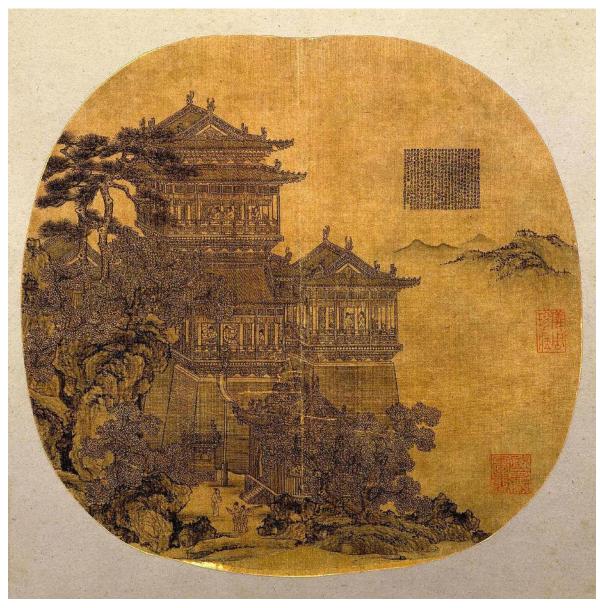


Figure 26 Xia Yong *Yueyang Tower* Yuan Dynasty, ink and colour on silk 25.2 x 25.8 cm Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/234416.html)



Figure 27 Xia Yong Yellow Crane Tower (1350), ink on silk, 20.6 x 26.7 cm Metropolitan Museum of Art, New York (Image from www.metmuseum.org/art/collection/search/41476)



Figure 28 Detail of *Watching the Tide on a Moonlight Night*, the bracket set



Figure 29 Detail of *Along the River During the Qingming Festival*, the bracket set

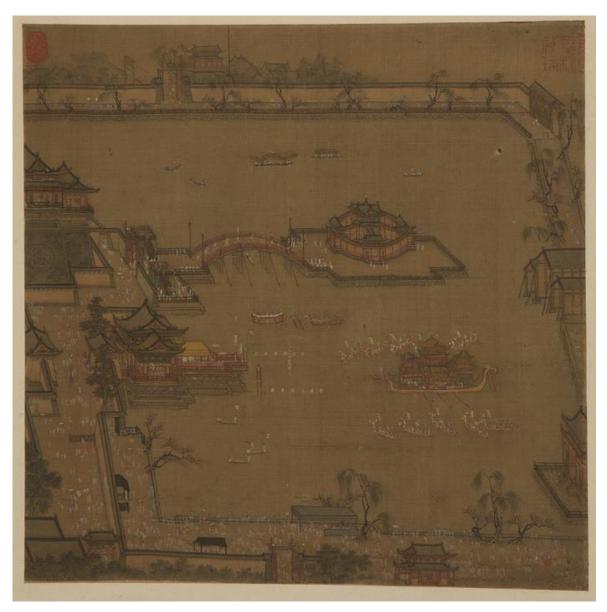


Figure 30 Attributed to Zhang Zeduan *Competition on the Jinming Pool* Northern Song (controversial), ink and colours on silk 28.5 x 28.6 cm Tianjin Museum, Tianjin (Image from *ZGMSQJ*, Painting Collection vol 4, 175)



Detail of Competition on the Jinming Pool



Figure 32 Wang Kui (1100–?) Inner Palace, the west wall mural painting (1158–1167) Yanshan Temple, Fanshi County, Shanxi province (Image from Yanshansi Jindai bihua)

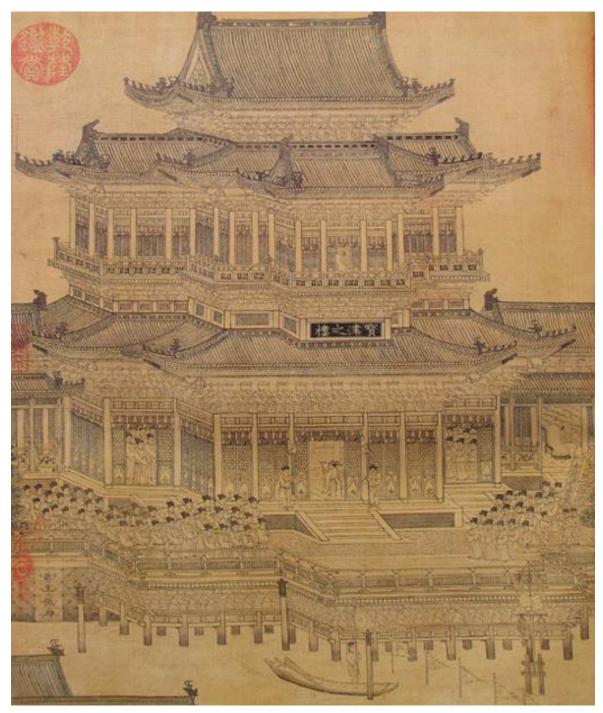
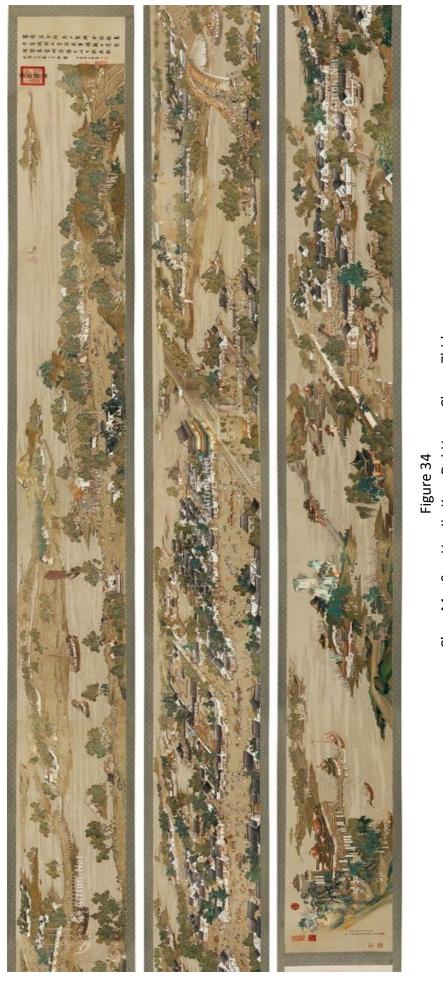


Figure 33 Wang Zhenpeng Dragon Boat Regatta (part) Yuan, baimiao (ink line drawing) on silk 30.2 x 243.8 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=767)



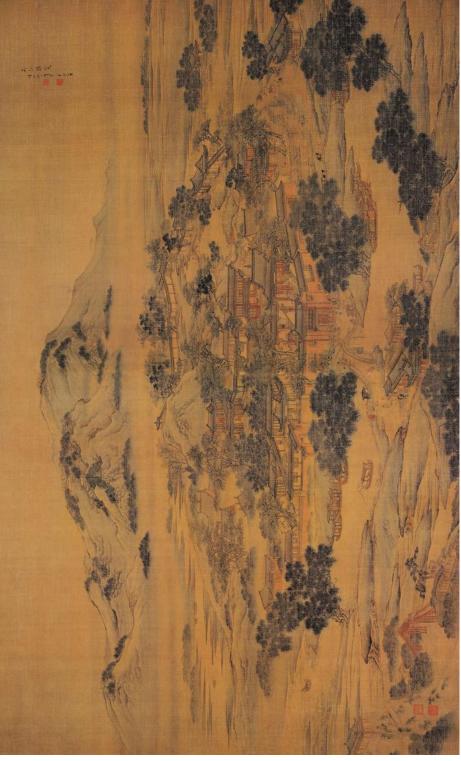
Chen Mu, Sun Hu, Jin Kun, Dai Hong, Cheng Zhidao Along the River During the Qingming Festival National Palace Museum, Taipei 1736, ink and colours on silk 35.6 cm x 1152.8 cm

(Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=3782)



Figure 35 Yuan Yao (?–1778) *Jiucheng Palace* (1774) ink and colours on silk, 189.7 x 230.7 cm Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/229091.html)

Figure 36 Yuan Yao (?–1778) *Landscape of the Han River* (1747) ink and colours on silk, 165.2 x 262.8 cm Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/228208.html)



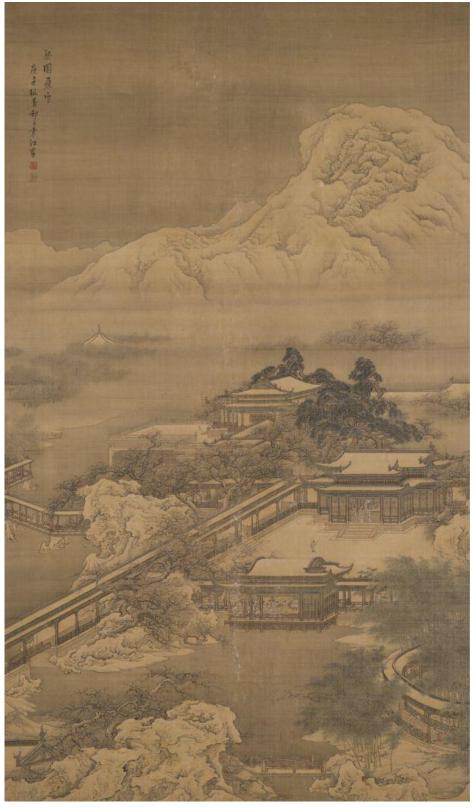


Figure 37 Yuan Jiang (1662–1735) Snow Scene of Liangyuan (1720) ink and colours on silk, 202.8 x 118.5 cm Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/228772.html)

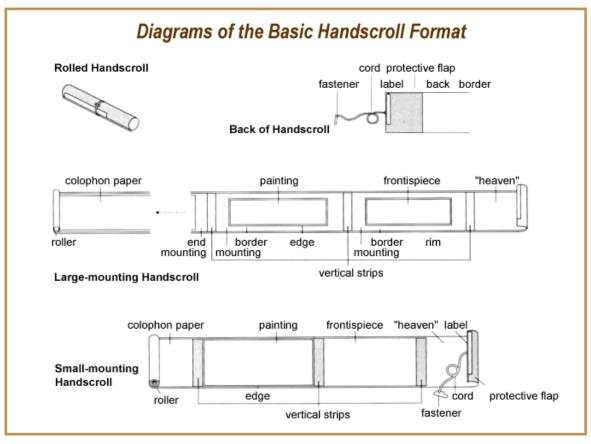


Figure 38 Diagrams of the basic handscroll format (Image from www.npm.gov.tw/english/exhbition/ehan0101/ehan0101.htm)

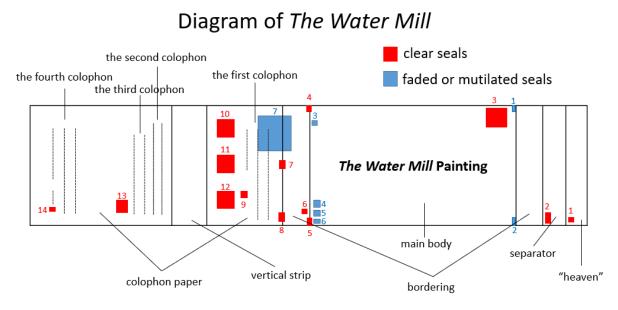


Figure 39 Diagram of *The Water Mill* format

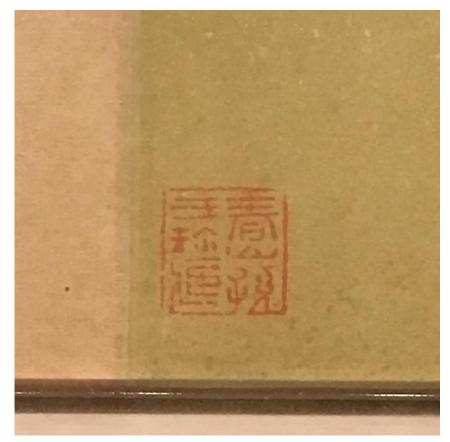


Figure 40 Detail of *The Water Mill*, the seal "春山孫氏珍藏" (The Treasured Collection of the Spring Mountain of the Sun Family)



Figure 41 The Seal "春山孫氏珍藏" (The Treasured Collection of the Spring Mountain of the Sun Family) in a privately owned book *Pushuting ji* 曝書亭集



Figure 42 Gong Xian (1618–1689) *Watching Mountains* ink on paper, 146 x 57 cm pre-owned by Alice Boney (1901–1988) (Image from auction.artron.net/paimai-art0038181565)



Figure 43 Detail of *The Water Mill*, the seal "鄭邸珍藏" (The Treasured Collection by The Zheng House)



Figure 44 Detail Detail of *The Water Mill,* the seal "天曆之寶" (same as the Figure 4)



Figure 45 Detail of *Early Snow on the River*, the seal "天曆之寶" Zhao Gan Southern Tang (Five Dynasties), ink and colours on silk 25.9 x 376.5 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=51)



Figure 46 Attributed to the Huizong Emperor *The Five-coloured Parakeet,* Northern Song ink and colours on silk, 53.3 x 125.1 cm, Museum of Fine Arts, Boston (Image from collections.mfa.org/objects/29081?image=6)



Figure 47 Attributed to Yu Shinan (558–638) *Lantingji Xu* Tang, ink on paper, 24.8 x 57.7 cm Palace Museum (Image from <u>www.dpm.org.cn/collection/impres/228279.html</u>)



Figure 48 The seal "蕉林" (The private seal of Liang Qingbiao) (Image from Seals of Chinese painters and collectors of the Ming and Ch'ing periods, 573– 574)

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Figure 49 Huai Su (725–785) *The Comments on Calligraphy* Tang, ink on paper, 38.5 x 40.5 cm Liaoning provincial Museum, Shenyang (Image from www.Inmuseum.com.cn/huxing/show.asp?id=7101)

The Xuanzong Emperor (685–762) *The Ode on Pied Wagtails* (ca.716–732) Tang, ink on paper, 24.5 x 184.9 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=14715)

Figure 50

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Figure 51 Liang Shimin *The Isles in Snow* Northern Song, ink and colours on silk, 26.5 x 145.6 cm Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/231254.html)



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Figure 52 The *Xuanhe* seals in the *Xuanhe* format for calligraphy (Image from *Palace Museum Journal*, 2005:1, 55)

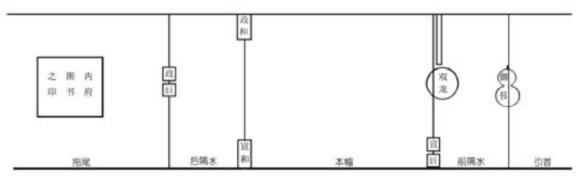


Figure 53 The diagram of the *Xuanhe* format for calligraphy (Image from *Palace Museum Journal*, 2005:1, 71)



Figure 54 The "heaven" section of *The Water Mill* (Photo by BR)



Figure 55 Detail of *The Water Mill*, half of a *Zhenghe* rectangular seal at the top seam between the latter bordering and the painting (Photo from *ZGHHMP*, vol 21)



Figure 56 Detail of *The Water Mill*, more than half of a *Xuanhe* rectangular seal at the bottom seam between the latter bordering and the painting (Photo from *ZGHHMP*, vol 21)



Figure 57

Detail of *The Water Mill*, a *Zhenghe* seal which were constituted of two small seals at the middle seam between the latter bordering and the colophon paper (Photo from *ZGHHMP*, vol 21)



Figure 58 Detail of *The Water Mill*, the *Neifu tushu zhiyin* quadrate seal at the middle of the colophon paper (Photo from *ZGHHMP*, vol 21)

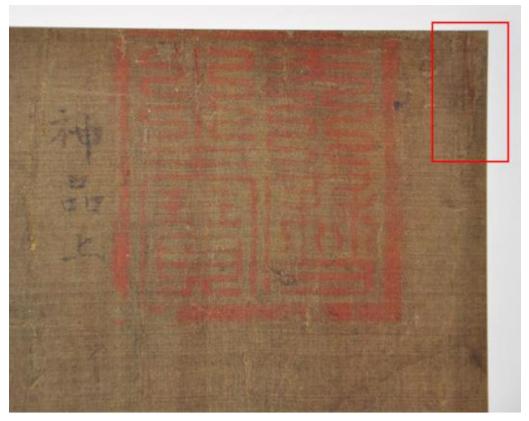


Figure 59 Detail of *The Water Mill*, the faded seal at the top seam between the former bordering and the painting (Photo from *ZGHHMP*, vol 21)



Figure 60 Detail of *The Water Mill*, the faded seal at the bottom seam between the former bordering and the painting (Photo from *ZGHHMP*, vol 21)



Figure 61 Detail of *The Water Mill*, the seal "雲煙過眼" (Photo from *ZGHHMP*, vol 21)



Figure 62 Huaya of the Huizong Emperor (Image from ZGMSQJ, Painting Collection vol 3, 84)



Figure 63 Huaya of the Huizong Emperor (Image from ZGMSQJ, Painting Collection vol 3, 86)

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Figure 64 *Huaya* of the Huizong Emperor (Image from www.sohu.com/a/168764877_9891639)



Figure 65 Detail of *Tianshui's Copy of Zhang Xuan's "Pounding Silk"* Attributed to the Huizong Emperor Northern Song, ink and colours on silk, 37 x 145.3 cm Museum of Fine Arts, Boston (Image from collections.mfa.org/objects/28127)



Figure 66 Detail of *Tianshui's Copy of Zhang Xuan's "Spring Outing of the Court Ladies"* Attributed to the Huizong Emperor Northern Song, ink and colours on silk, 51.8 x 148 cm Liaoning Provincial Museum, Shenyang (Image from www.Inmuseum.com.cn/huxing/show.asp?ID=7105)



Figure 67 Detail of *The Water Mill,* the seal "雛鳳樓"



Figure 68 Detail of *The Water Mill*, the seal "王守仁印"

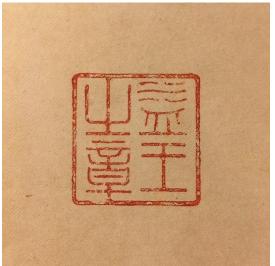


Figure 69 Detail of *The Water Mill*, the seal "益王之章"

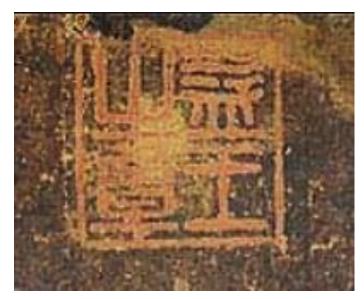


Figure 70 The seal "益王之章" in a reprinted stone rubbing painting *Lanting Tu* (Wanli period of the Ming) (Image from auction.artron.net/paimai-art0071212320/)



Figure 71 Detail of *The Water Mill,* the seal "晉府圖書" (Photo from *ZGHHMP,* vol 21)



Figure 72 Detail of *The Water Mill,* the seal "磐石父" (Photo from *ZGHHMP*, vol 21)



Figure 73 Detail of *The Water Mill,* the seal "成親王" (Photo from *ZGHHMP*, vol 21)

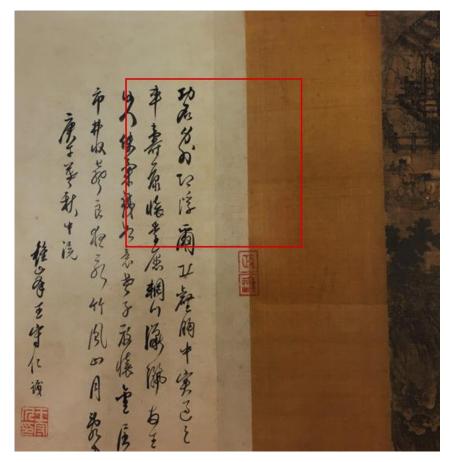


Figure 74 Detail of *The Water Mill*, a large light quadrate seal



宋。直州管下羁縻都黎县令

Figure 75 An official seal of a county magistrate, Southern Song (Image from *The History and Art of Chinese Seals*, 227)



Figure 76 A seal of a commander, Jin (Image from *The History and Art of Chinese Seals*, 232)



Figure 77 A seal of an official, Yuan "Seal of Jian Zi Hao Branch of Chief Officer in Charge of a Thousand Households of Yidu Street" (Image from *The History and Art of Chinese Seals*, 240)

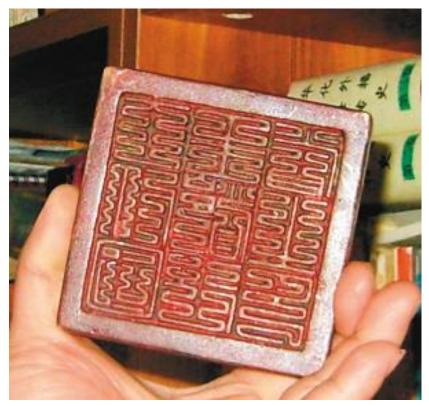


 Figure 78

 大帥國王都行省之印

 (印背部銘文正楷陰刻:大帥國王都行省之印、大定元年、禮部造。)

 元代太師國王木華黎九疊篆印

 A seal of a commander, Yuan

 (the size that a normal seal of a commander of the Yuan Dynasty and a hand of an adult male)

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同居自居旧



Figure 79 管領本投下中興等路民匠達魯花赤印 A seal of a craftsman, Yuan, 8.2 x 8.1 cm "Seal of the Chief Officer in Charge of Folk Craftsman in Zhongxing Road, etc" (Image from *The History and Art of Chinese Seals*, 246)



Figure 80 Colophons on *The Water Mill* (Photo from *ZGHHMP*, vol 21)



Figure 81 The map which shows the locations of Beijing, Taiyuan and Luling (Image from the Google Map)

Figure 82 Wang Shouren (1472–1529) *Longjiang liubie shi* (part, ca.1516) 28.1 x 296.6 cm, ink on paper Palace Museum, Beijing (Image from www.360doc.com/content/14/0908/23/15883912_408034869.shtml)

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antes.	按某还结果本等效本无此尽疗院,他且这人在原常主要能(使力强	-	Figure 83 Han Huang (723–787) <i>The Five Bulls</i> Tang, ink and colours on pape 20.8 x 139.8 cm
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Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/234599.html)

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Figure 84 The inscription (ca.1646) of Wang Duo (1592–1652) on Postscript on Semi-Cursive Handwriting Tianma Fu of Mi Fu



Figure 85 A fragmentary signature on *The Water Mill* (Photo from *ZGHHMP*, vol 21)



Figure 86 Detail of *The Water Mill,* the poster "新酒"



Figure 87 Detail of Along the River During the Qingming Festival, the words "新酒"



Figure 88 Detail of *The Water Mill,* willows

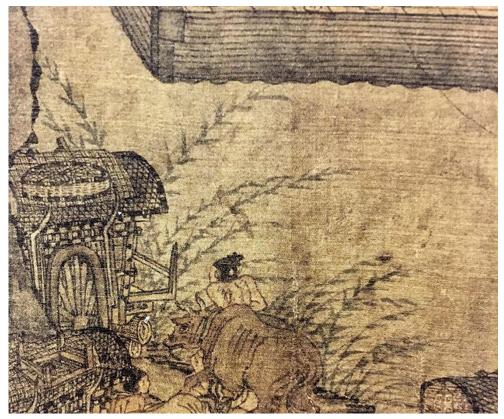


Figure 89 Detail of *The Water Mill,* reeds

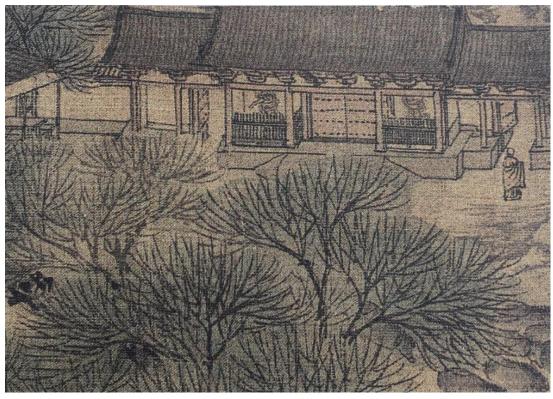


Figure 90 Detail of *Along the River During the Qingming Festival,* willows



Figure 91 Detail of *Along the River During the Qingming Festival*, willows and the leafless trees



Figure 92 leaves of a pagoda tree Beihai Park, Beijing (Photo by BR)



Figure 93 The alternate and pinnate-leaved trees in *The Water Mill*

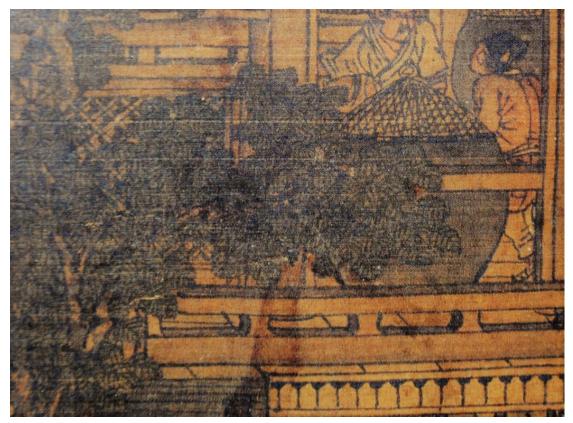


Figure 94 Detail of *The Water Mill*, the alternate and pinnate leaves

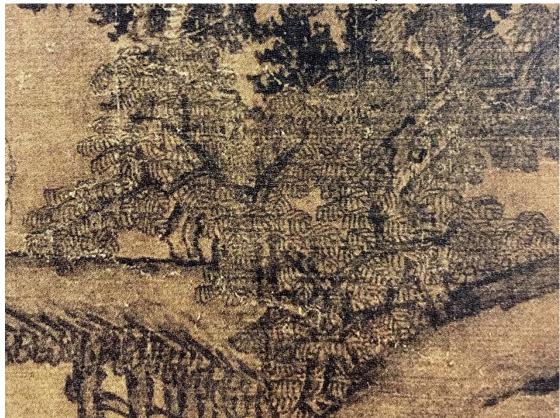


Figure 95 Detail of *The Water Mill*, the yellow plant with the alternate and pinnate leaves



Figure 96 leaves of an elm tree (Image comes from www.huabaike.com)



Figure 97 Detail of *The Water Mill*, the tree at the right terrace

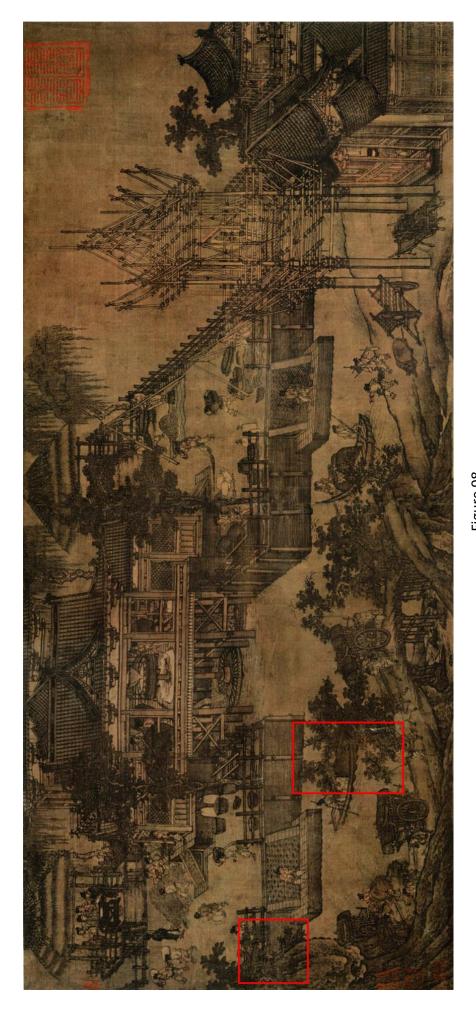


Figure 98 The round-leaved trees in *The Water Mill*

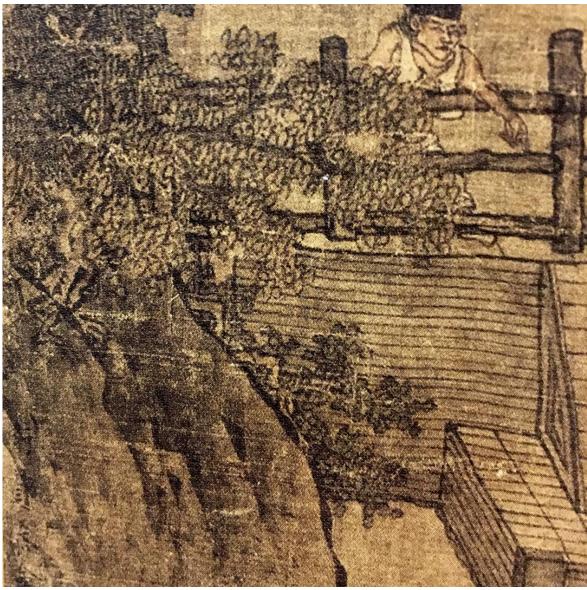


Figure 99 Detail of *The Water Mill*, the round leaves in blue and yellow



Figure 100 Detail of *The Water Mill*, the round-leaved plant



Figure 101 leaves of a cotinus goggygria Photo by Yang Yan, Jinan city, Shandong province (Image from frps.eflora.cn/frps?id=%E9%BB%84%E6%A0%8C)

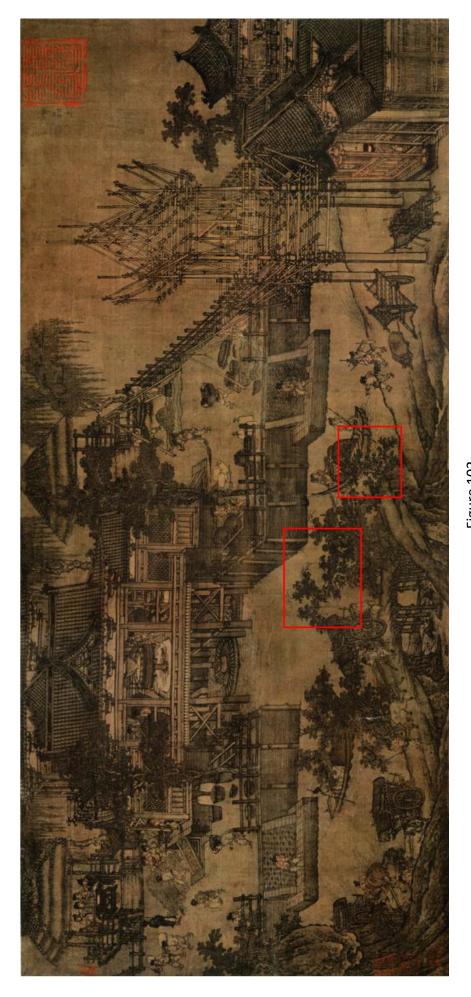


Figure 102 The dark-leaved trees in *The Water Mill*



Figure 103 Detail of *The Water Mill*



Figure 104 Detail of *The Water Mill*



Figure 105 Detail of *The Early Spring* (1072) Guo Xi (ca. 1000–1087) Ink and colours on silk, 158.3 x 108.1 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=47)



Figure 106 Detail of *Travellers Among Mountains and Streams*, Fan Kuan (ca. 950–1032) Ink on silk, 206.3 x 103.3 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=1195)



Figure 107 Detail of *Travellers Among Mountains and Streams*

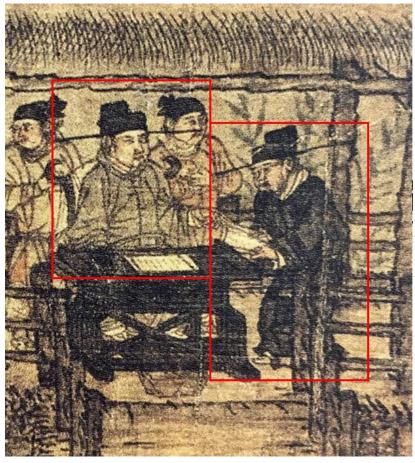


Figure 108 Detail of *The Water Mill*, two officials under the pavilion

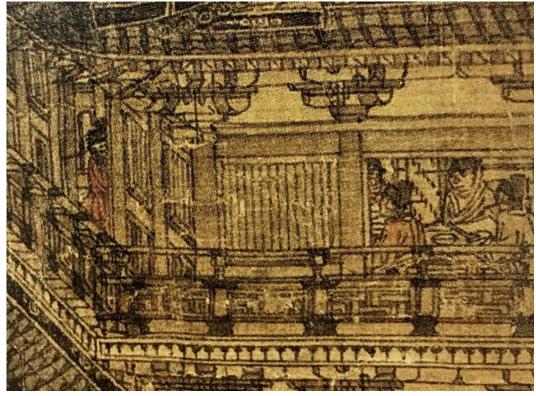


Figure 109 Detail of *The Water Mill*, five officials at the tavern

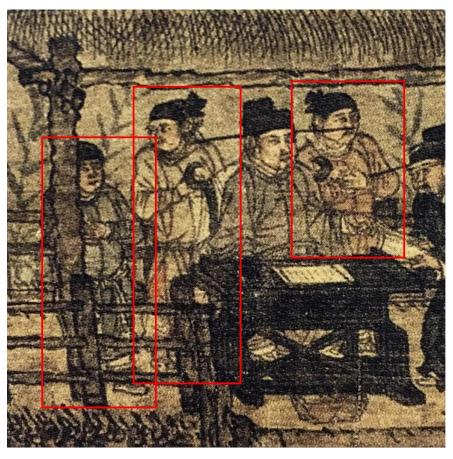


Figure 110

Detail of The Water Mill, the three junior officials under the pavilion

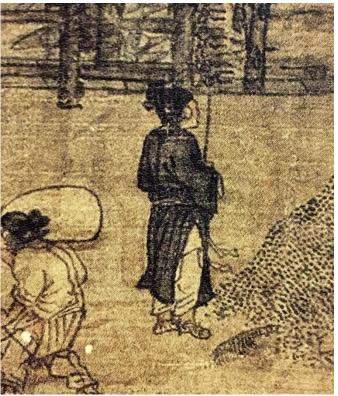


Figure 111 Detail of *The Water Mill*, a supervisor at the left terrace

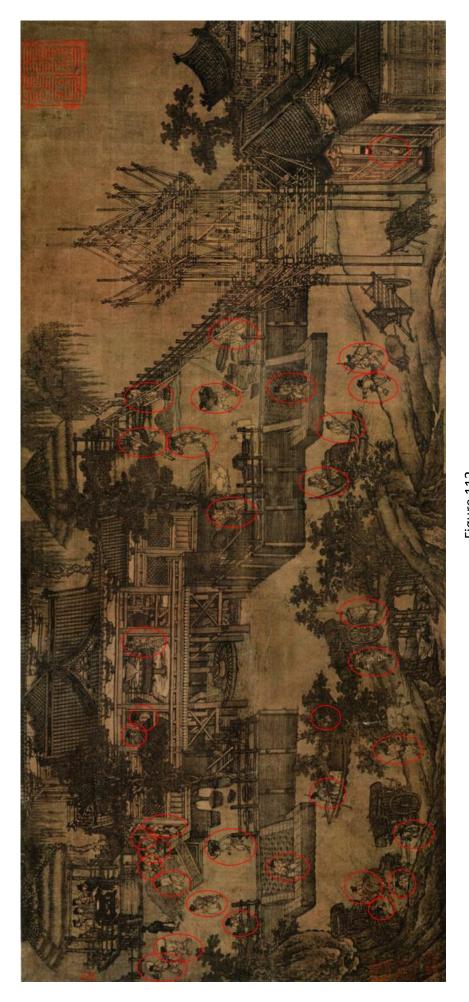


Figure 112 Ordinary workers in *The Water Mill*



Figure 113 How to wear a *futou* (early Tang style) (Image painted by Yanwang)



Figure 114 Detail of *Emperor Taizong Receiving the Tibetan Envoy*, the *futou* of a retinue (Image from *ZGMSQJ*, Painting Collection vol 2, 7)

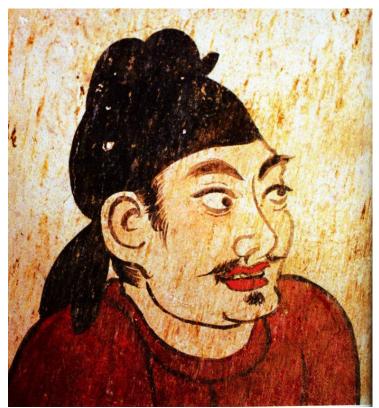


Figure 115 The *futou* of a servant mural painting, in the tomb of Wei Gui (597–665) in the Zhao Mausoleum



Figure 116 The *futou* of a servant mural painting, in the tomb of the Princess Changle (621–643) in the Zhao Mausoleum



Figure 117 The *futou* of servants, mural painting, in the tomb of Li Shou (577–630)

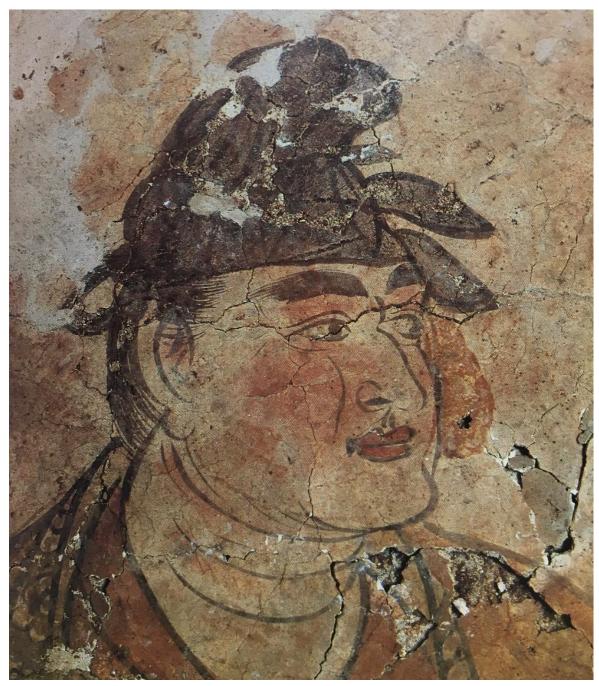


Figure 118 The *futou* of a servant mural painting, in the tomb of Wei Jiong (677–692) (Image from *ZGMSQJ*, Painting Collection vol 12, 117)



Figure 119 Unknown *The Portrait of The Taizu Emperor of The Song Dynasty* ink and colours on silk, 191 x 169.7 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=1864)

Figure 120 Unknown *Story Handscroll* (Renwu gushi tujuan 人物故事圖卷) colours on silk, 26.7 x 142.2 cm Shanghai Museum, Shanghai (Image from www.jsy-sz.com/plus/view.php?aid=3128)





Figure 121 The line drawing of Story Handscroll, the straight tails futou of an official (front) (Image from The History of Ancient Chinese Costume, 271)



Figure 122 The line drawing of *Story Handscroll*, the straight tails *futou* of an official (back) (Image from *The History of Ancient Chinese Costume*, 271)



Figure 123 The *futou* of a drama actor brick carving image, Song a tomb in Jiuliugou County, Yanshi, Henan province (Image from *The Ancient Chinese Clothing Research*, 438)

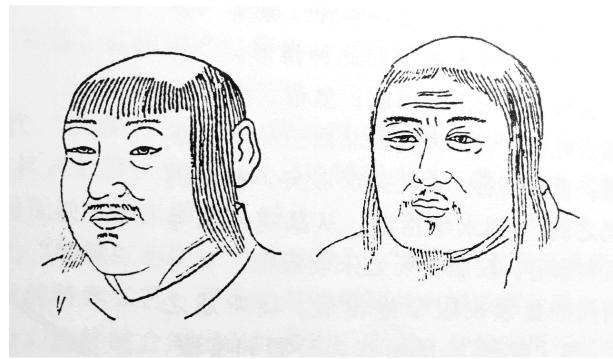


Figure 124 The *kunfa* of the Liao Dynasty line drawing of the mural painting, from the eastern tomb of the Qing Mausoleum (Image from *History of The Aesthetics of Chinese Dress*, 694)



Figure 125 The *kunfa* of the Liao Dynasty line drawing of the mural painting from No.6 tomb of the Former Bolibog Mausoleum, Hure Banner, Inner Mongolia (Image from *History of The Aesthetics of Chinese Dress*, 694)



Figure 126 The curving tails *futou* of performers mural painting, Liao Dynasty Mausoleum Xuanhua County, Zhangjiakou, Hebei province



Figure 127 The *jinxian* hat line drawing of the mural painting, late Eastern Han from the Yinan tomb, Yinan County, Linyi, Shandong province (Image from *The History of Ancient Chinese Costume*, 85)

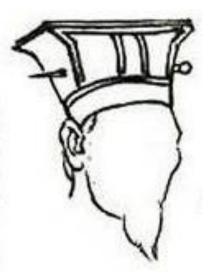


Figure 128 The *xiezhi* hat (Image from baike.baidu.com/item/%E7%8D%AC%E8%B1%B8%E5%86%A0/10796278?sefr=cr)



Figure 129 The straight tails *futou* of the Yuan Dynasty (Illustration from *Quanxiang pinghua wuzhong*, vol 2)



Figure 130 Unknown *The Portrait of Wang Ao* Ming, colours on paper, 161.6 x 96.1 cm Nanjing Museum, Nanjing (Image from news.artron.net/20170826/n952913_3.html)

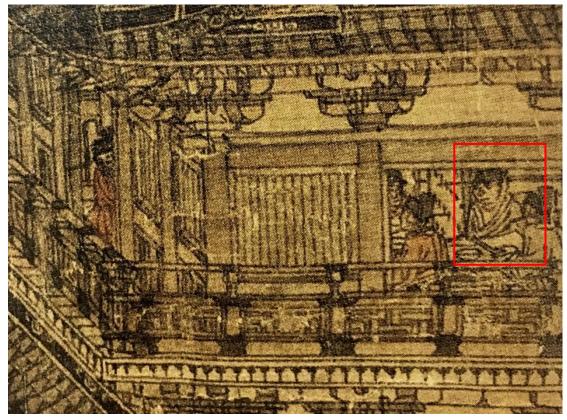


Figure 131 Detail of *The Water Mill,* the Y-neck right lapel garment of an official



Figure 132 Unknown *The Portrait of the Renzong Emperor of the Yuan Dynasty* colours on silk, 59.2 x 47 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=15492)



Figure 133 Unknown *The Portrait of the Shizu Empress of the Yuan Dynasty* colours on silk, 61.5 x 48 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=15495)



Figure 134 The right lapel garment maidservants mural painting, Yuan, in a tomb in Shuozhou, Shanxi province (Image from shanxi.sina.com.cn/news/s/2019-06-20/detail-ihytcitk6470165.shtml)



Figure 135 The right lapel garment figures mural painting, Yuan, in Yongle Palace, Ruicheng County, Yuncheng, Shanxi province (Image from wenzhengwenhua.com/article-3224-1.html)



Figure 136 Detail of *Zhuoxie Tu*, females in the left lapel robes Attributed to Hu Huan (Liao Dynasty) Jin, colours on silk, 33 x 256 cm Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/234629.html)



Figure 137 The left lapel garment figures mural painting, Yuan, in Yongle Palace Ruicheng County, Yuncheng, Shanxi province



Figure 138 The left lapel garment figures mural painting, Yuan, in Yongle Palace Ruicheng County, Yuncheng, Shanxi province



Figure 139 Detail of *Tartar Huntsmen in the Snow*, a huntsman in the left lapel garment Hu Huan (attrib.) Liao, ink and colours on silk, 28.8 x 117 cm Freer Gallery of Art, Washington, D.C. (Image from asia.si.edu/object/F1916.406/)



Figure 140 The right and left lapel figures mural painting, Liao, in a tomb in Xuanhua, Zhangjiakou, Hebei province



Figure 141 The right and left lapel figures mural painting, Liao, in a tomb in Xuanhua, Zhangjiakou, Hebei province



Figure 142 The right and left lapel figures mural painting (ca. 1298), Yuan, from the Xinghua Temple, Jishan County, Shanxi province currently collected in the Royal Ontario Museum, Toronto (Image from collections.rom.on.ca/objects/335520/the-paradise-of-maitreyawallpainting?ctx=1aace446-f9c2-4ed7-bbb5-b05bd8c2d467&idx=0)

Figure 143 Unknown *Ten Same Year (Scholars) Painting* Ming, colours on silk, 48.5 x 257 cm Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/230242.html)





Figure 144 Unknown *The Portrait of Huang Yue in the Formal Dress* Qing, colours on silk, 112.7 x 56.4 cm Palace Museum, Beijing (Image from www.dpm.org.cn/collection/paint/234909.html)



Figure 145 Civilian officials in round-collared, narrow-sleeved robes Mural painting of the tomb of Li Chongrun (The Yide Prince), Tang Dynasty Qian county, Shanxi province (Image from *5000 years of Chinese costumes*, 92.)



Figure 146 Unknown, *The Portrait of the Renzong Emperor* Northern Song, colours on silk, 188.5 x 128.8 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=1832)



Figure 147 Detail of Along the River During the Qingming Festival, figures wearing black kerchiefs



Figure 148 Detail of *Along the River During the Qingming Festival*, figures wearing black kerchiefs

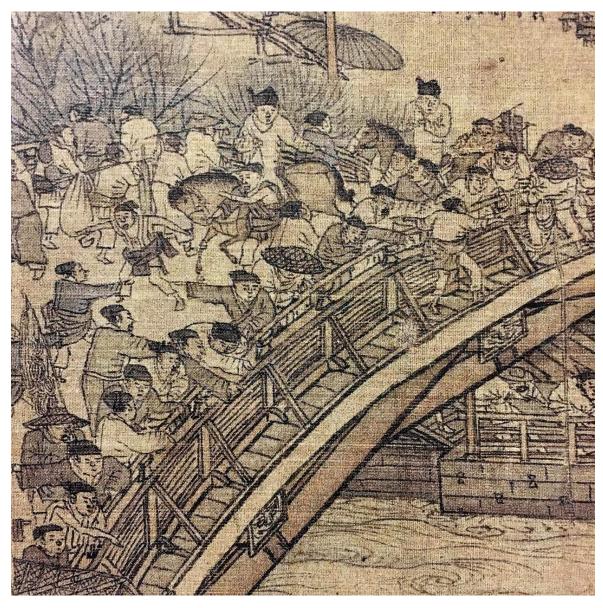


Figure 149 Detail of Along the River During the Qingming Festival, figures wearing black kerchiefs



Figure 150 Detail of *Along the River During the Qingming Festival*, figures wearing black kerchiefs



Figure 151 Figures wearing black kerchiefs, Jin from *CXZHJSZLBYBC* (ca.1249), vol 4

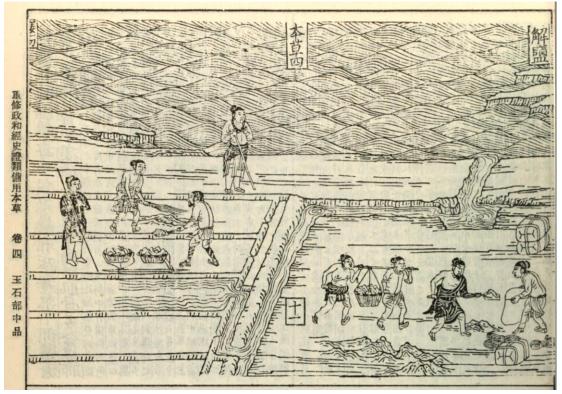


Figure 152 Figures wearing black kerchiefs, Jin from *CXZHJSZLBYBC* (ca.1249), vol 4

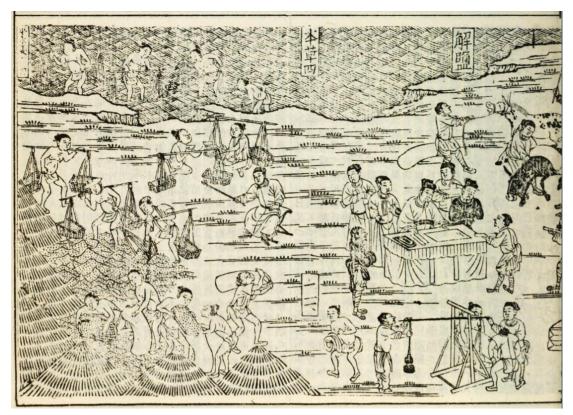


Figure 153 Figures wearing black kerchiefs, Jin from *CXZHJSZLBYBC* (ca.1249), vol 4



Figure 154 Figures wearing black kerchiefs, Yuan from Quanxiang pinghua wuzhong



Figure 155 Detail of *Along the River During the Qingming Festival* (Ming Dynasty), figure in cuboid cloth hat Qiu Ying (attrib.) colours on silk, 30.5 x 987 cm Liaoning Provincial Museum, Shenyang (Image from baike.baidu.com/item/%E6%B8%85%E6%98%8E%E4%B8%8A%E6%B2%B3%E5%9B%BE/2 321783?fr=aladdin)

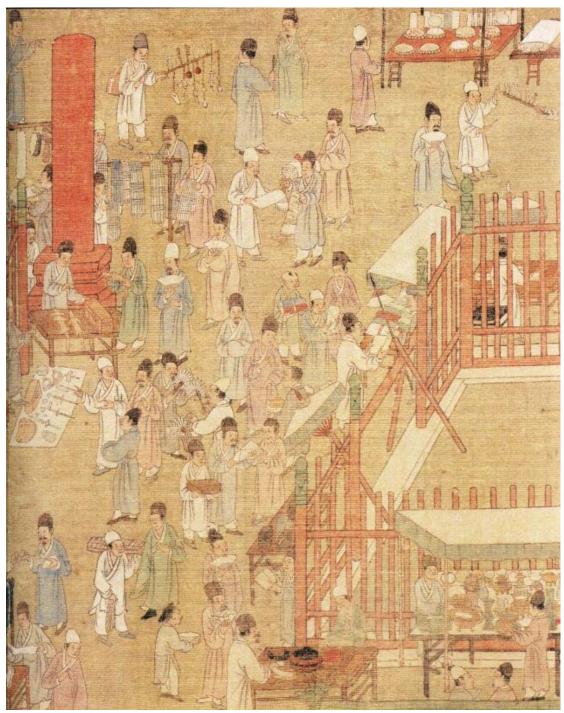


Figure 156 Detail in *Painting Scroll of Prosperity in the Imperial Capital*, figures in skull hats Anonymous, Ming Colours on silk, 32 x 2182.6 cm National Museum of China, Beijing (Image from www.chnmuseum.cn/zp/zpml/201812/t20181218_25376.shtml)

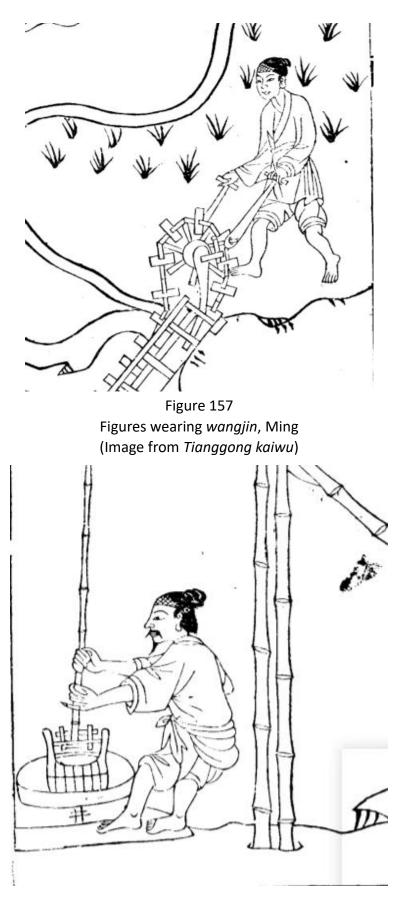


Figure 158 Figures wearing *wangjin*, Ming (Image from *Tianggong kaiwu*)



Figure 159 Figures wearing *quekuashan* mural painting, Liao Dynasty Mausoleum Xuanhua County, Zhangjiakou, Hebei province



Figure 160 Figures wearing *quekuashan*, from *Quanxiang pinghua wuzhong* (Yuan)



Figure 161 The *chashou li* figure mural painting, in the tomb of Zhao Yigong, Tang An'yang, Henan province



Figure 162 The *chashou li* figure sculpture, in the Qianling Mausoleum, Tang Qian County, Shanxi province



Figure 163 The *chashou li* figures mural painting, in the tomb of Mengjing Xinzhuang, Five Dynasties Luoyang, Henan province

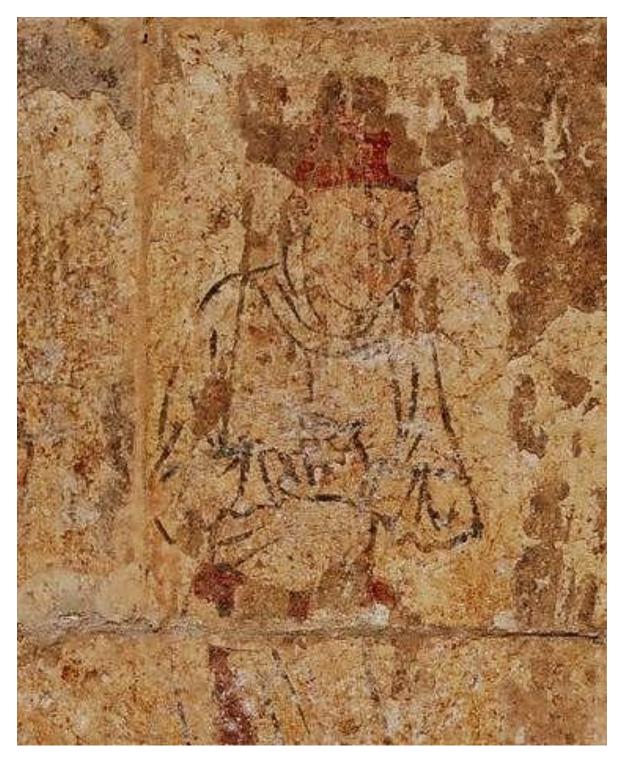


Figure 164 The *chashou li* figure mural painting, in a Song tomb Luoyang, Henan province



Figure 165 The *chashou li* ritual, from *Shilin guangji*, Southern Song

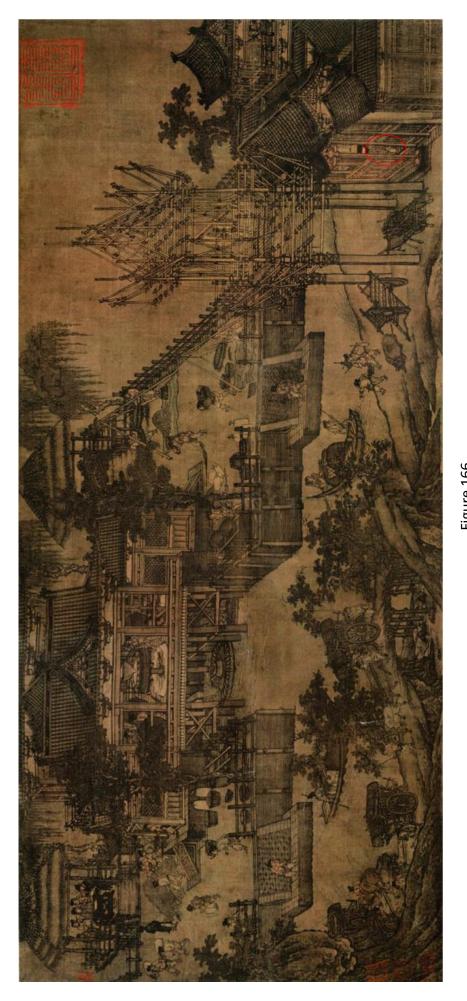


Figure 166 Group a of the common people, in *The Water Mill*

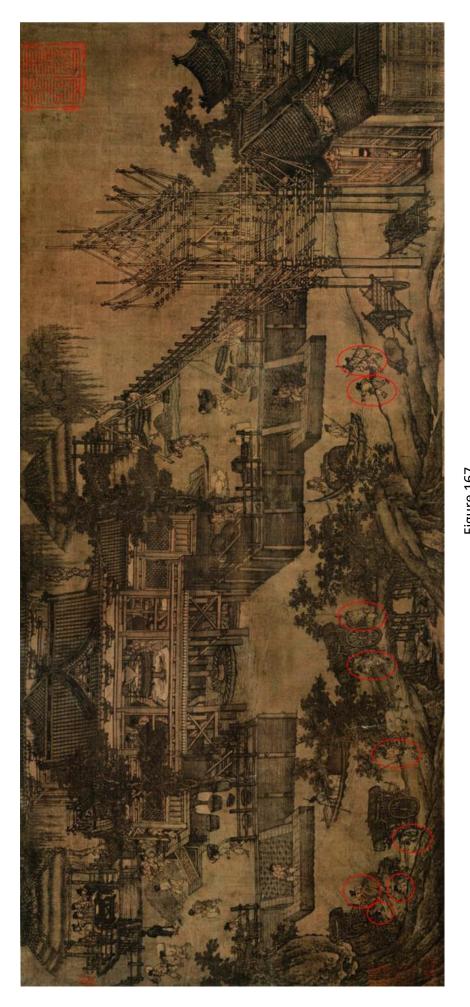


Figure 167 Group b of the common people, in *The Water Mill*

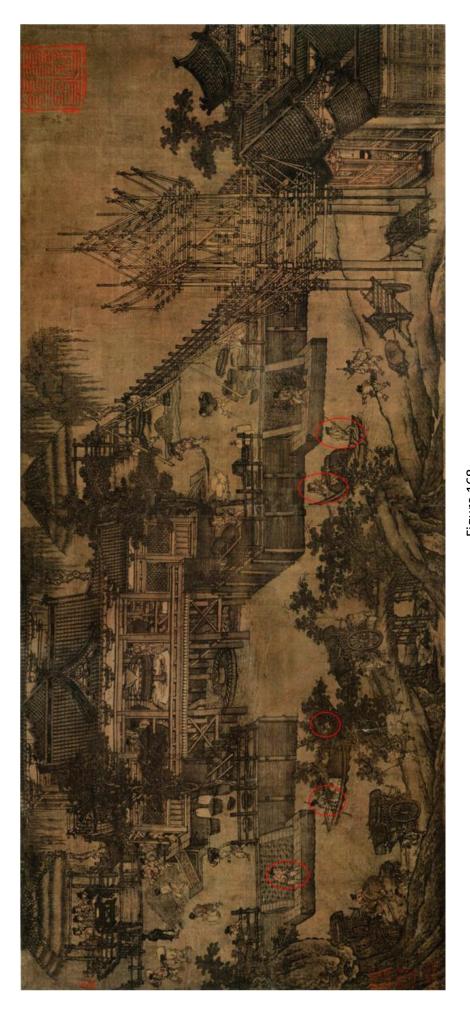


Figure 168 Group c of the common people, in *The Water Mill*

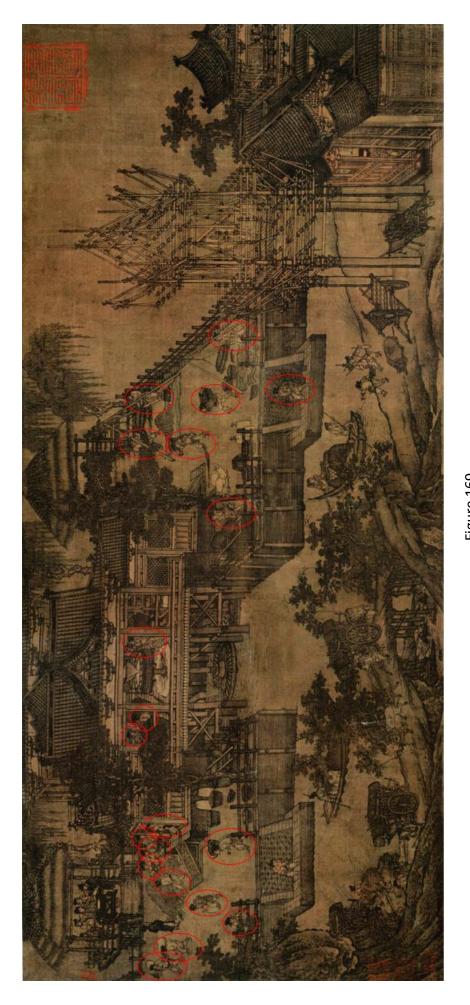


Figure 169 Group d of the common people, in *The Water Mill*



Figure 170 Detail of *The Water Mill*, the common people in *quekuashan*



Figure 171 Detail of *The Water Mill*, the common people in *quekuashan*



Figure 172 Detail of *The Water Mill*, the common people in *quekuashan*



Figure 173 Detail of *The Water Mill*, the topless labourer



Figure 174 Detail of *The Water Mill*, the labourer in a waistcoat



Figure 175 Detail of *Along the River During the Qingming Festival*, the workers in waistcoats



Figure 176 Detail of Along the River During the Qingming Festival, the workers in waistcoats



Figure 177 Detail of *Along the River During the Qingming Festival*, the workers in waistcoats



Figure 178 *Harvesting* cave 445 (the glorious age of Tang), Dunhuang, Gansu province

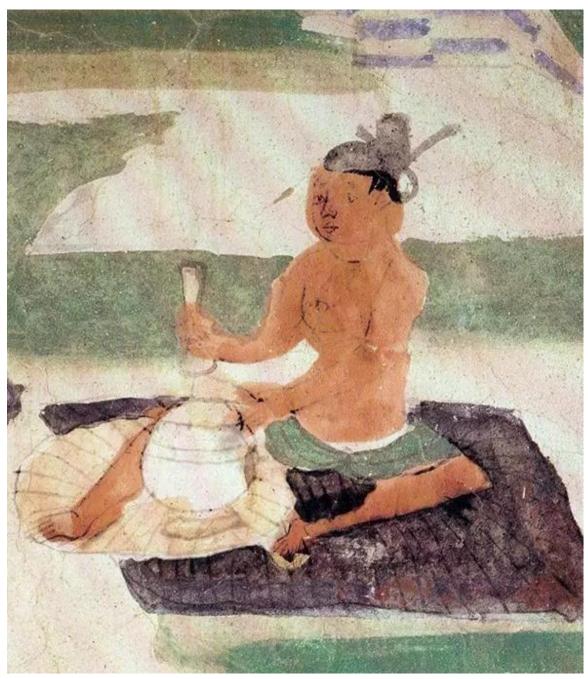


Figure 179 *Potting* cave 61 (Five Dynasties), Dunhuang, Gansu province



Figure 180 Building a Tower and Painting Murals cave 296 (Northern Zhou), Dunhuang, Gansu province

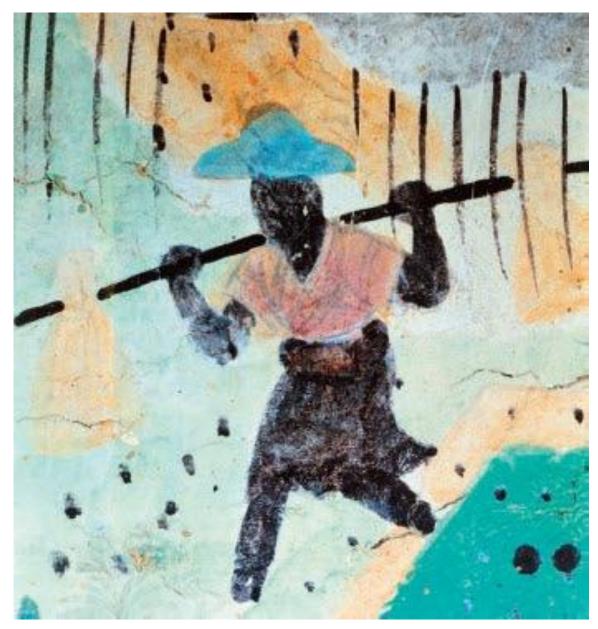


Figure 181 Famer wearing *banbi*, cave 23 (the north wall) middle of Tang, Dunhuang, Gansu province (Image from *ZGMSQJ*, Painting Collection vol 15, 67)

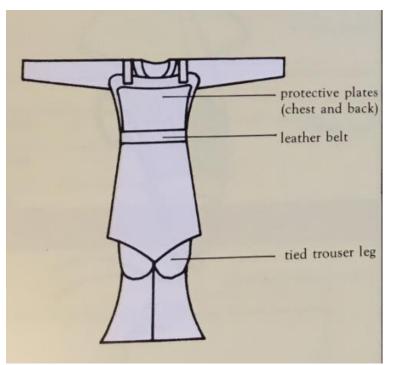


Figure 182 The illustration of *liangdang* (Image from *5000 years of Chinese costumes*, 1987, 247.)



Figure 183 Detail of *Northern Qi scholars collating classic texts* Anonymous, Northern Song (copy of the original painting of Northern Qi) Ink and colour on silk, 27.5 x 114cm Museum of Fine Arts, Boston (Image from collections.mfa.org/objects/29063)



Figure 184 The bellyband, excavated from the tomb of Huang Sheng (female) Southern Song, Fujian province (Image from Fuzhou Nansong Huang Sheng Mu)

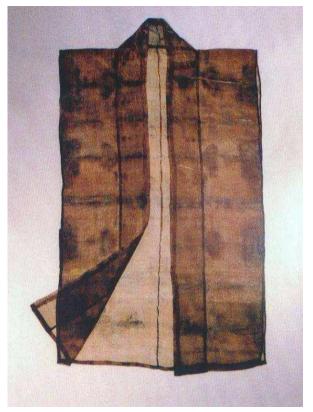


Figure 185 Waistcoat, excavated from the tomb of Huang Sheng (female) Southern Song, Fujian province (Image from Fuzhou Nansong Huang Sheng Mu)



Figure 186 Waistcoat, excavated from a Yuan tomb, Jiangsu province



Figure 187 Detail of *The Water Mill,* figures wearing split trousers



Figure 188 Detail of *The Water Mill*, figure wearing split trousers



Figure 189 Split trousers, excavated from the tomb of Huang Sheng (female) Southern Song, Fujian province



Figure 190 Split trousers, excavated from the tomb of Zhou Yu (male) Southern Song, Jintan, Jiangsu province



Figure 191 Detail of *The Water Mill*, figure wearing *dubikun*



Figure 192 Detail of Along the River During the Qingming Festival, figure wearing dubikun



Figure 193 Detail of *The Early Snow on the River*, figures wearing *dubikun* Zhao Gan Southern Tang, colours on silk, 25.9 x 376.5 cm National Palace Museum, Taipei (Image from painting.npm.gov.tw/Painting_Page.aspx?dep=P&PaintingId=51)



Figure 194 Secne of "Er yun 二耘 (The second Weeding)" from *Pictures of Tilling* Cheng Qi (attib., ca.1275). Later copy, possibly the 18th century Handscroll, ink and colours on paper. Freer Gallery of Art, Washington, D.C. (Image from *Pictures of Tilling and Weaving*, 95.)



Figure 195 Detail of *One Hundred Horses*, figures wearing *dubikun* Unknown, Song, colours on silk, 26.7 x 302.1 cm National Palace Museum, Taipei (Image from tupian.baike.com/a1_83_62_01300000251577123790621107151_jpg.html)



Figure 196 Detail of *The Water Mill*, labourer with tattoo



Figure 197 Detail of *The Water Mill*, labourer with tattoo

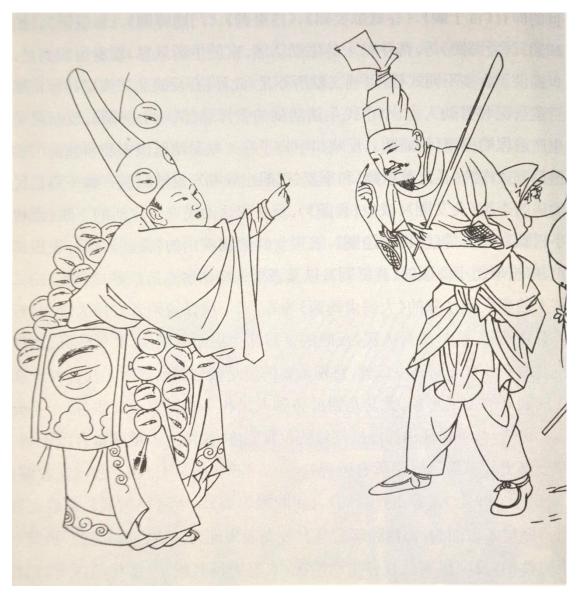


Figure 198 Figure with tattoo from *Zaju renwu tu*, Song Palace Museum, Beijing (Image from *The Ancient Chinese Clothing Research*, 434)

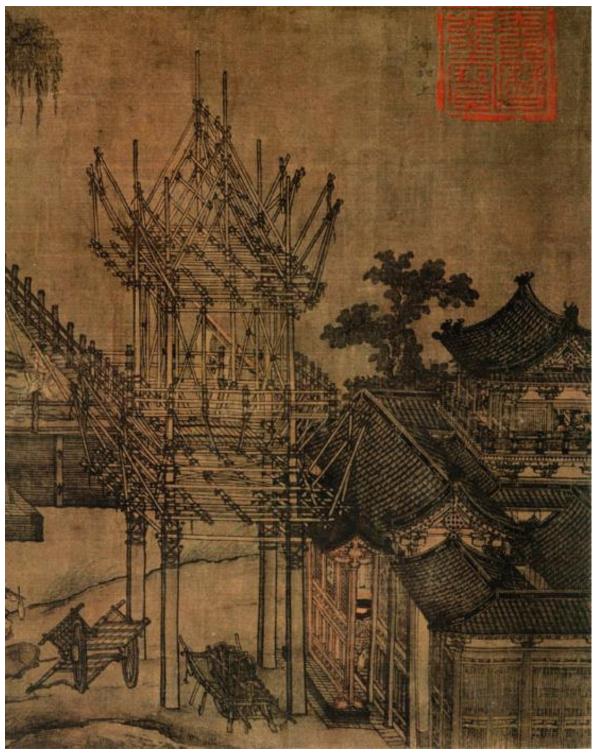


Figure 199 Detail of *The Water Mill*, the decorative structure and the tavern

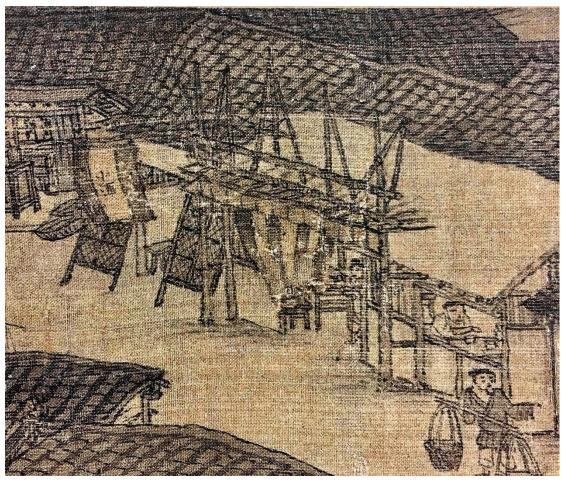


Figure 200 Detail of *Along the River During the Qingming Festival*, the decorative structure

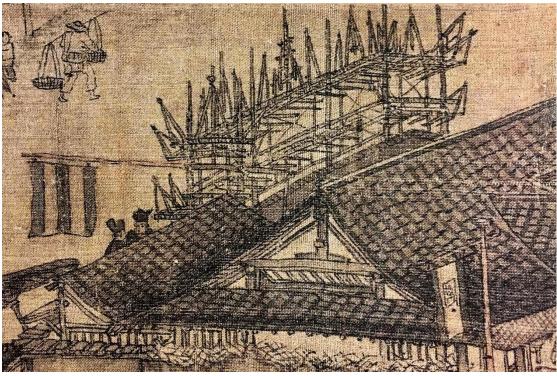


Figure 201 Detail of *Along the River During the Qingming Festival*, the decorative structure

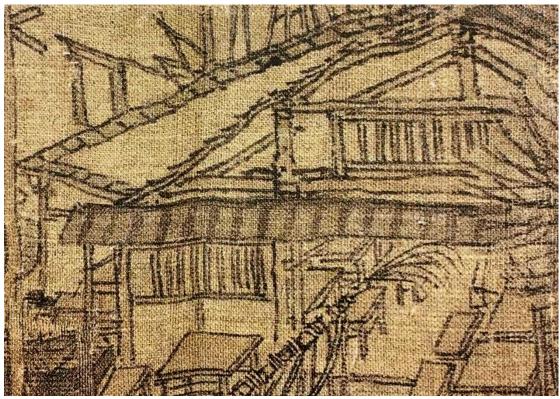


Figure 202 Detail of *Along the River During the Qingming Festival*, the decorative structure



Figure 203 Detail of *Along the River During the Qingming Festival*, the decorative structure

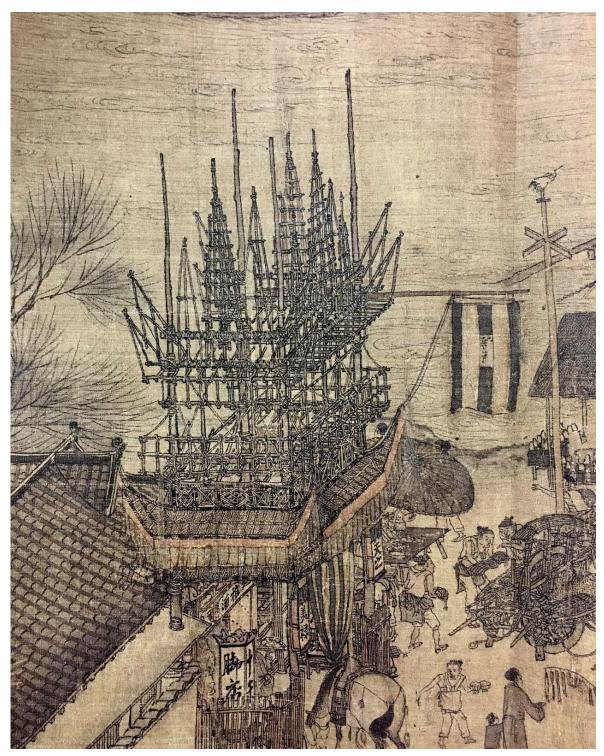


Figure 204 Detail of *Along the River During the Qingming Festival* the decorative structure of *Shiqian jiaodian*

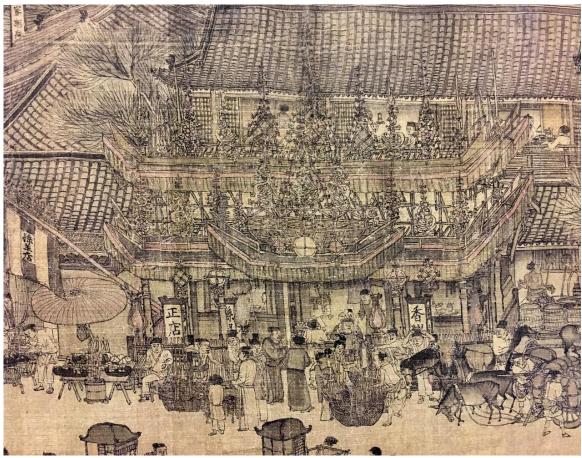


Figure 205 Detail of *Along the River During the Qingming Festival* the decorative structure of *Sunyang zhengdian*



Figure 206 Detail of *Along the River During the Qingming Festival*, the decorative structure

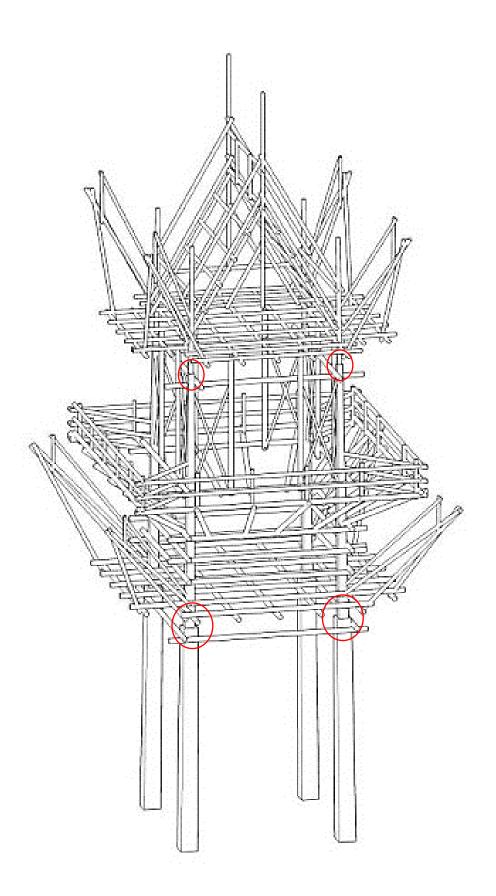


Figure 207 Line drawing of the decorative structure of *The Water Mill* (Image from *Architect*, 2012:2)

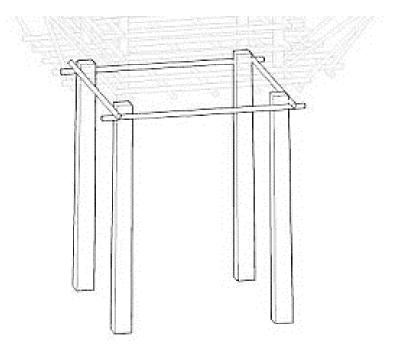


Figure 208 The bottom part of the decorative structure (Image from *Architect*, 2012:2)

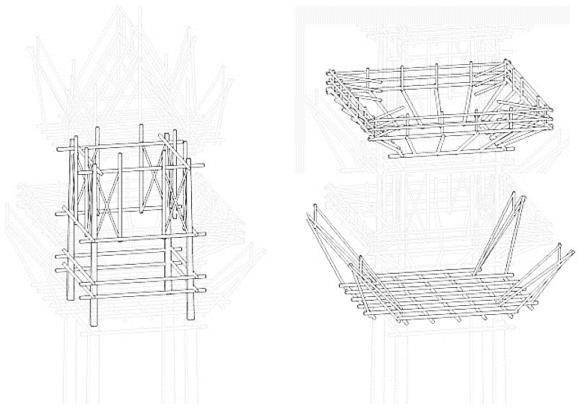


Figure 209 The middle part of the decorative structure (Image from *Architect*, 2012:2)

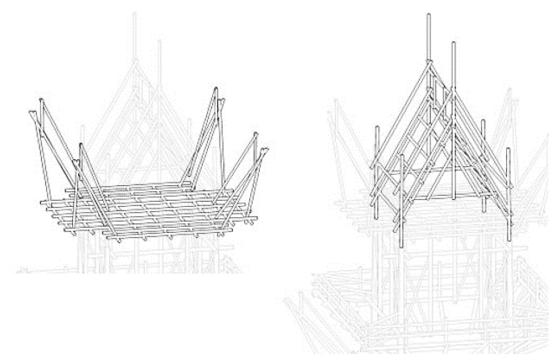


Figure 210 The top part of the decorative structure (Image from *Architect*, 2012:2)

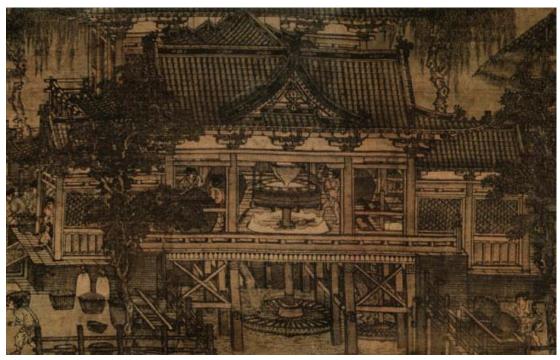


Figure 211 Detail of *The Water Mill*, the single-eave crossed hip-and-gable roof of the water mill hall



Figure 212 Detail of *The Water Mill in Valley*, the single-eave crossed hip-and-gable roof of the water mill hall



Figure 213 Detail of *Shuidian zhaoliang tu*, the single-eave crossed hip-and-gable roof



Figure 214 Detail of *The Water Mill*, an empty cart

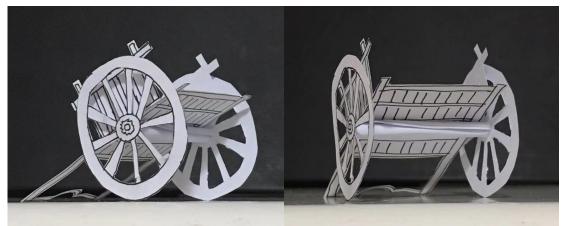


Figure 215 Model of the cart in *The Water Mill* (Made by BR)

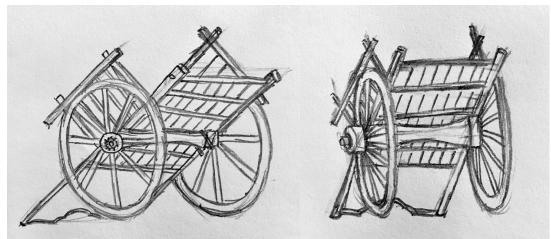


Figure 216 Line drawings of the cart model (Painted by BR)



Figure 217 The double bracket-arms, Song The Sanqing Hall of the Yuanmiao Temple, Putian, Fujian province



Figure 218 The caisson ceiling, Liao (984) The Guanyin Tower of the Dule Temple, Jixian, Tianjin city



Figure 219 Detail of Along the River During the Qingming Festival, the crossed-shaped hip-and-gable roof of a small restaurant

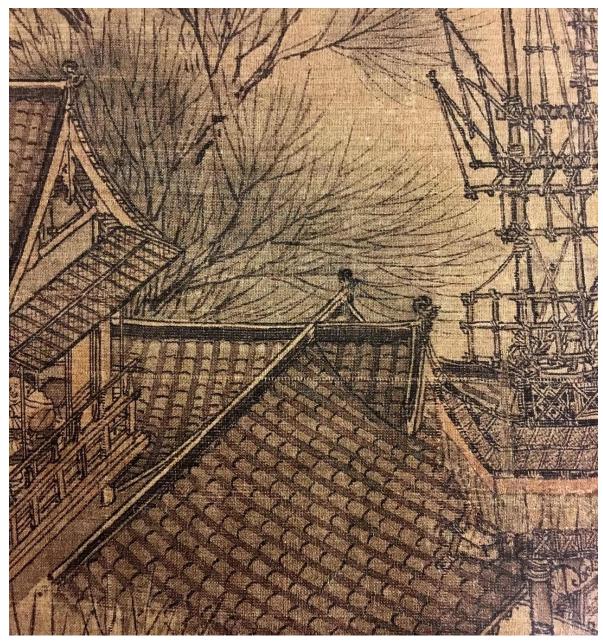


Figure 220 Detail of *Along the River During the Qingming Festival*, the crossed-shaped hip-and-gable roof of the *Shiqian jiaodian*



Figure 221 Detail of *Along the River During the Qingming Festival*, the crossed-shaped hip-and-gable roof of the *Sunyang zhengdian*



Figure 222 Detail of Along the River During the Qingming Festival, the crossed-shaped hip-and-gable roof of a hotel¹

¹ Wang yuanwai jia 王員外家: The original meaning of yuanwai is officials excluded the normal official system. This title can be bought, therefore, yuanwai becomes a respectful name of rich man. Wang yuanwai jia was a hotel of a wealthy whose surname was Wang.

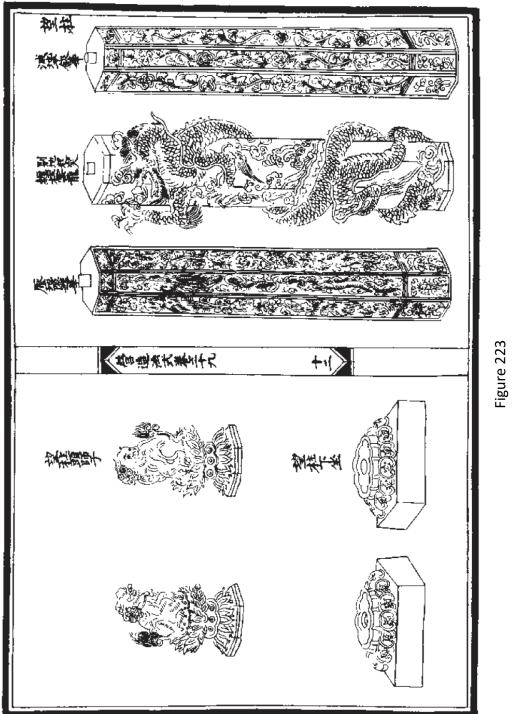


Figure 223 The short pillars (Image from *Yingzao fashi*, vol 39)



Figure 224 The short pillar of *The Water Mill* and The *chuang* of the Foguang Temple (877), Wutai county, Shanxi province

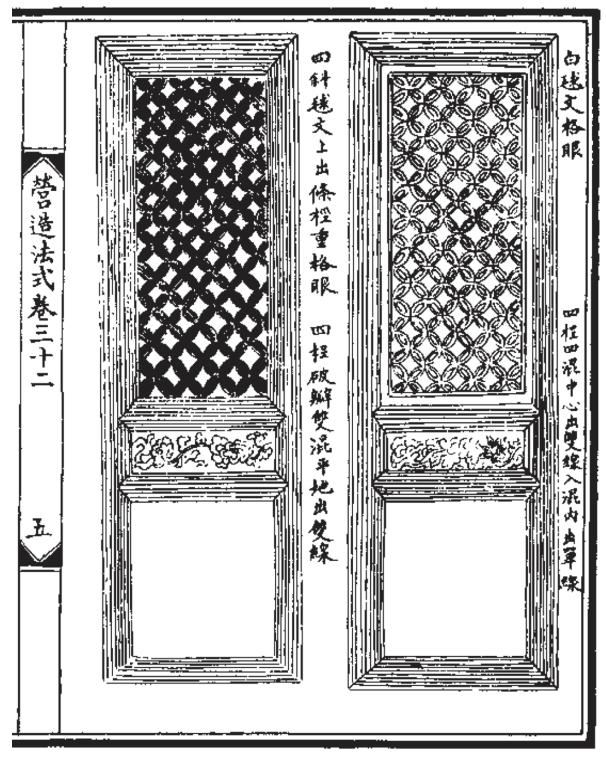


Figure 225 Doors with diamond patterns (Image from *Yingzao fashi*, vol 32)



Figure 226 Pottery architecture, middle of Eastern Han Height: 84cm Width: 114cm Length: 130cm Excavated from No.1 tomb of Yuzhuang, Huaiyang County, Zhoukou, Henan province (Image from *Jianzhu shishi* vol1, 45)

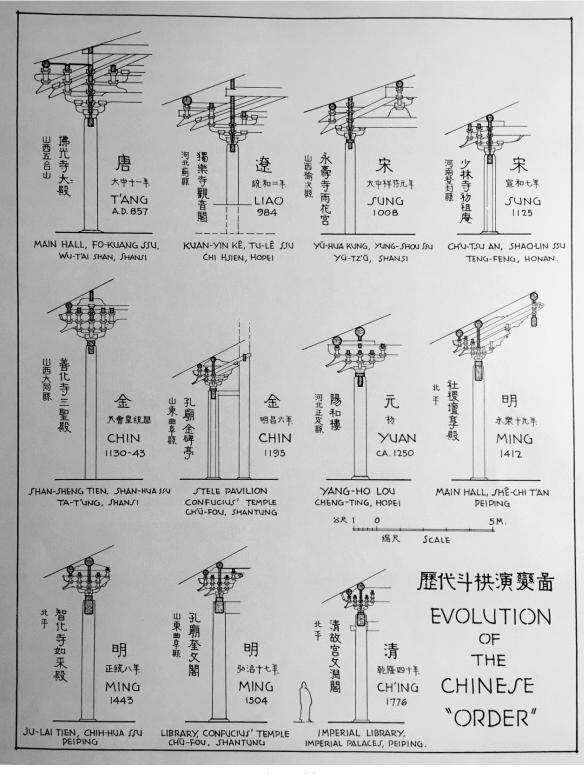
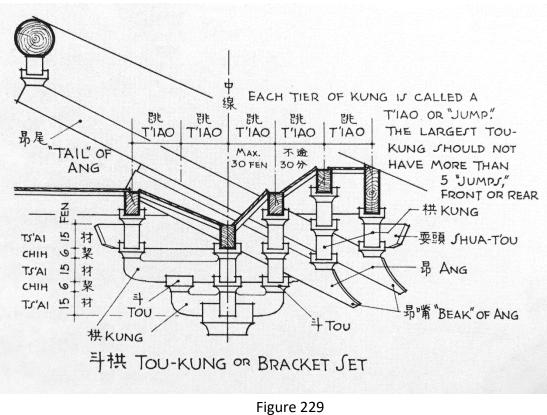


Figure 227 Evolution of the Chinese "order" (Image from A pictorial history of Chinese architecture, 32)



Figure 228 Detail of *The Water Mill*, the bracket units



The bracket set according to *Yingzao fashi* (Image from *A pictorial history of Chinese architecture*, 16)

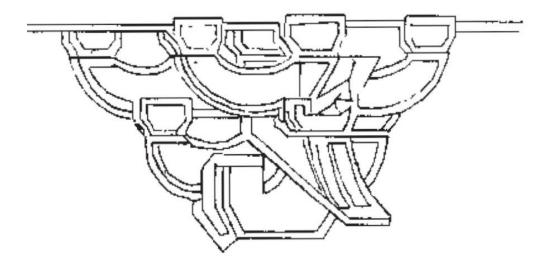


Figure 230 The line drawing of *yitiao sipuzuo danxia'ang* bracket set (Image from *Yingzao fashi*, vol 34)

四鋪作外掃昂

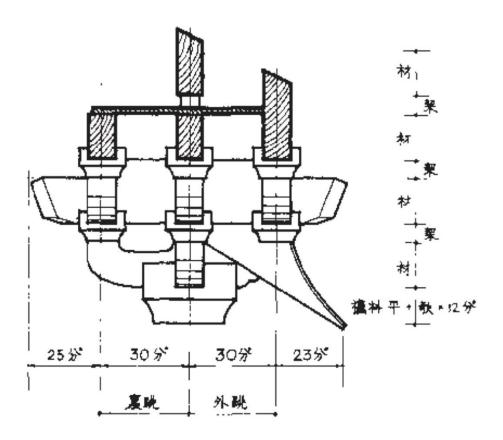


Figure 231 The profile line drawing of *yitiao sipuzuo danxia'ang* bracket set of *Yingzao fashi* (Image from *Yingzao fashi*, vol 28)

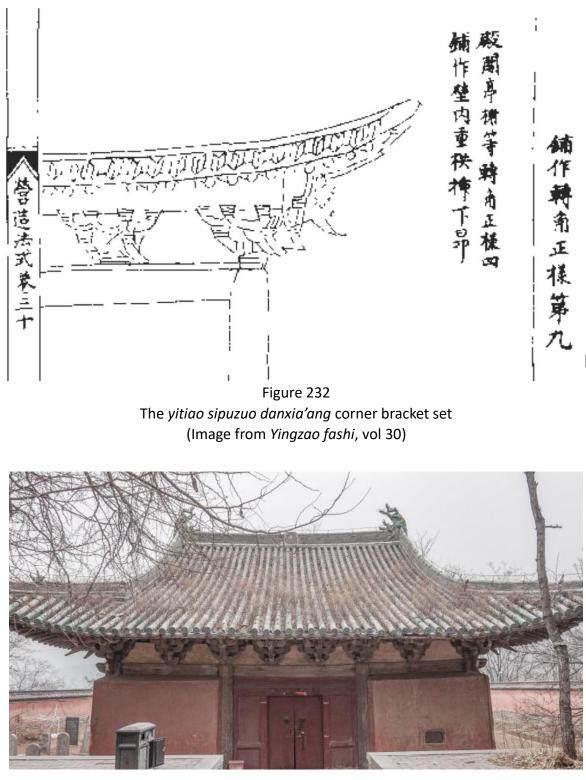


Figure 233 The main hall of Chuzu An, in the Shaolin Temple, Dengfeng, Henan province (Photo by ZX)

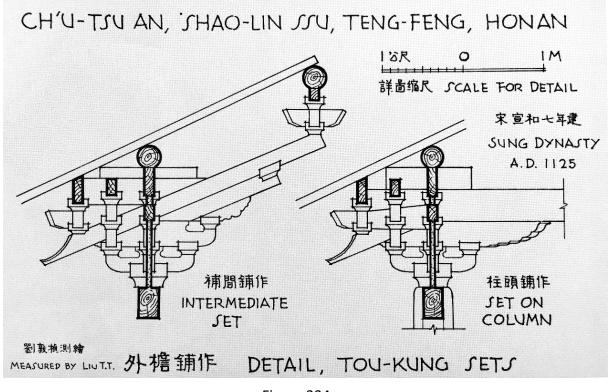


Figure 234 The line drawing of the bracket set of Chuzu An (Image from *A pictorial history of Chinese architecture*, 89)



Figure 235 Detail of *The Water Mill,* the *ang* and *shuatou* of the water mill hall



Figure 236 The bracket sets of Chuzu An (Photo by ZX)

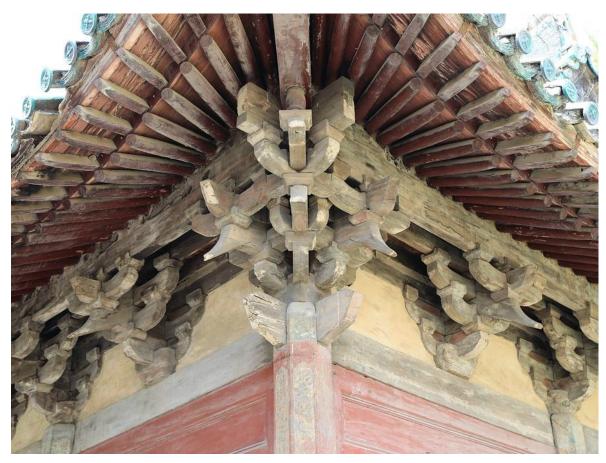


Figure 237 The bracket sets of Chuzu An (Photo by ZX)

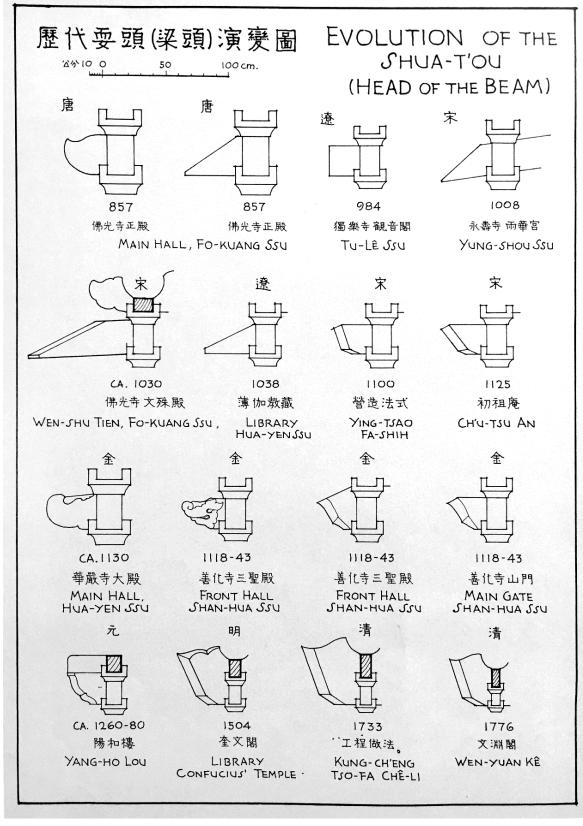


Figure 238 Evolution of the *shuatou* (head of the beam) (Image from *A pictorial history of Chinese architecture*, 84)

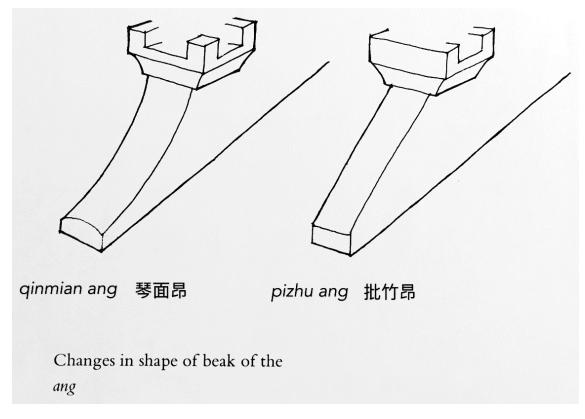
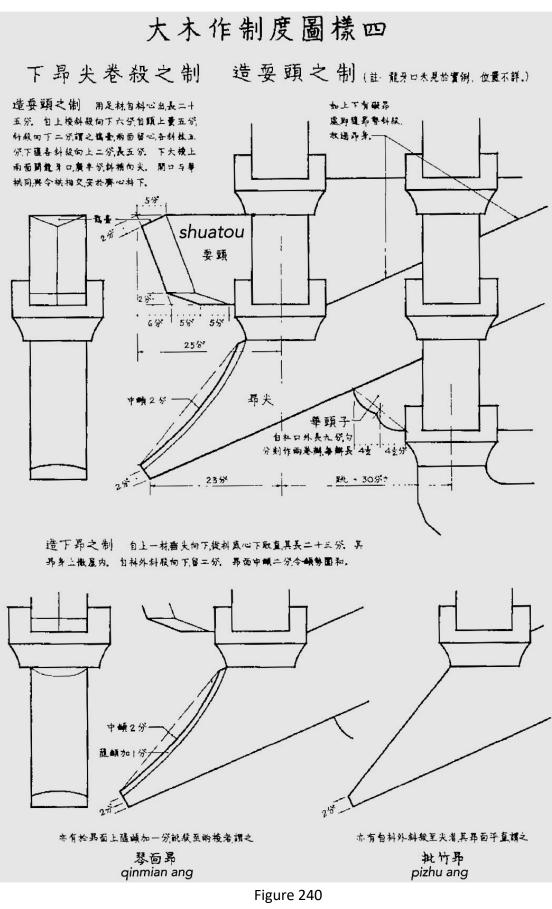


Figure 239 Changes in shape of beak of the *ang* (Image from *A pictorial history of Chinese architecture*, 83)



Different shapes of beak of the *ang* (Image from *Yingzao fashi*, vol 28)

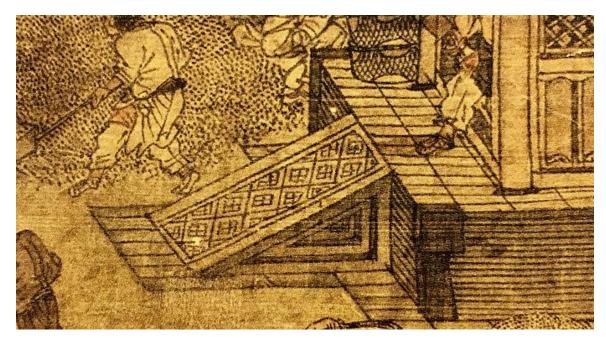


Figure 241 Detail of *The Water Mill*, the stairs with *xiangyan*



Figure 242 Detail of *The Water Mill*, the stairs with *xiangyan*

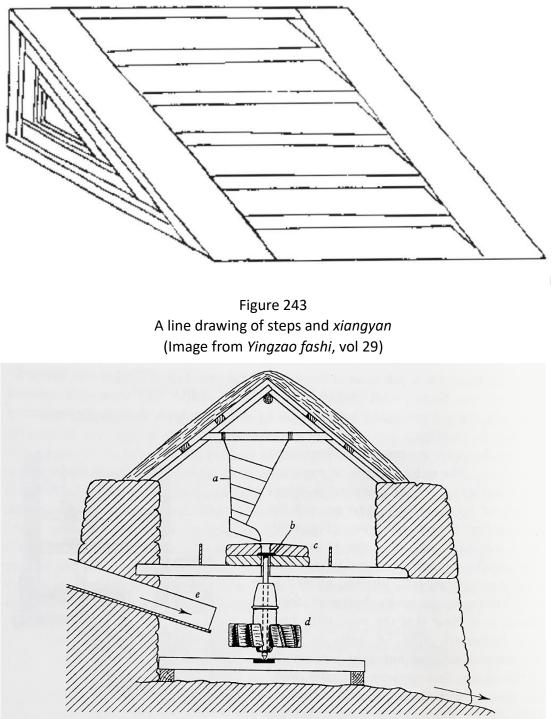


Fig. 601. The horizontal water-wheel, an example from the isle of Lewis (after Curwen, 4). a, hopper; b, rynd; c, stones; d, wheel or tirl, with obliquely-set paddles on thick shaft; e, chute delivering the water to the side of the wheel behind the shaft, as here viewed.

Figure 244 Image from *Science and Civilisation in China*, vol 4, part 2, 368



Figure 245 The *long* (Image from *Tiangong kaiwu,* 60)



(Image from *Tiangong kaiwu*, 64)



Figure 247 The *nian* (Image from *Tiangong kaiwu,* 59)

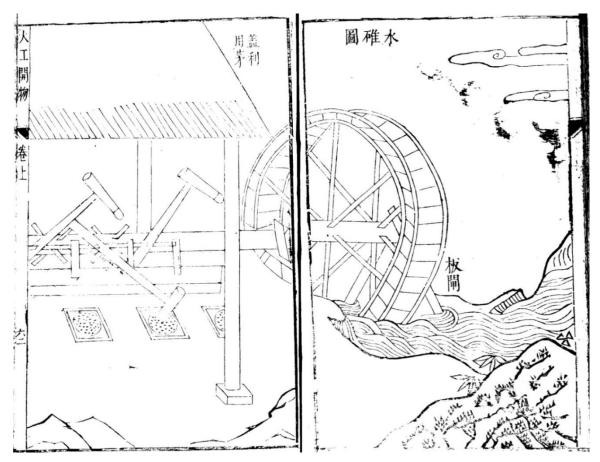


Figure 248 The multi water-driven trip-hammer structure (Image from *Tiangong kaiwu*, 62)

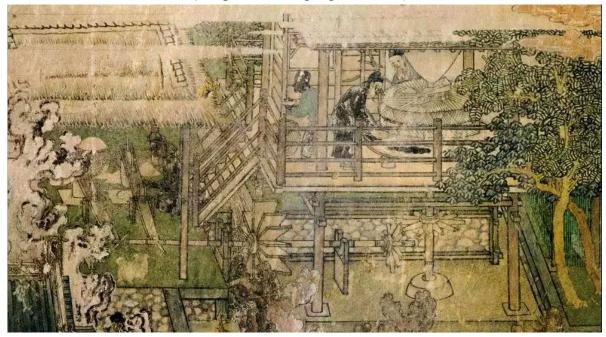


Figure 249 The Water Trip-Hammer and The Water Mill (same as the Figure 8)

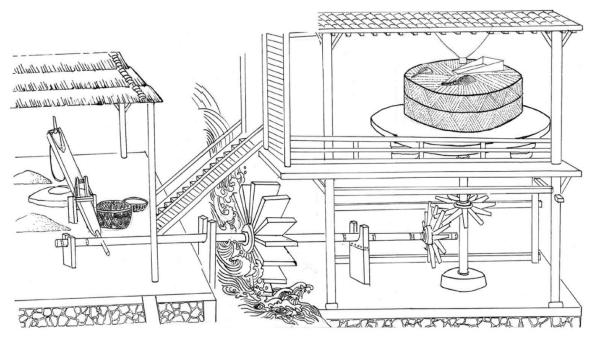


Figure 250 Line drawing of *The Water Trip-Hammer and The Water Mill* (Image from *Science, Technology and Dialectics,* 2007:3)

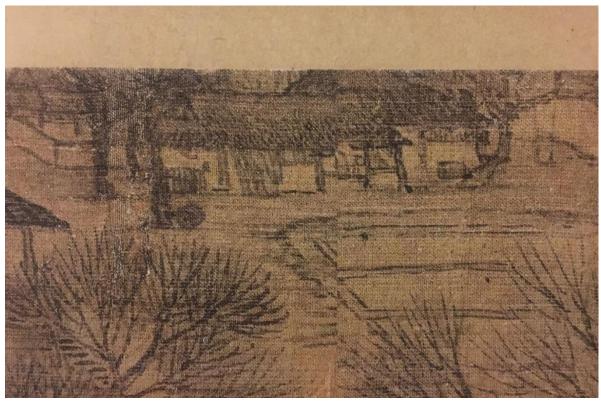


Figure 251 Detail of *Along the River During the Qingming Festival*, the stone rollers



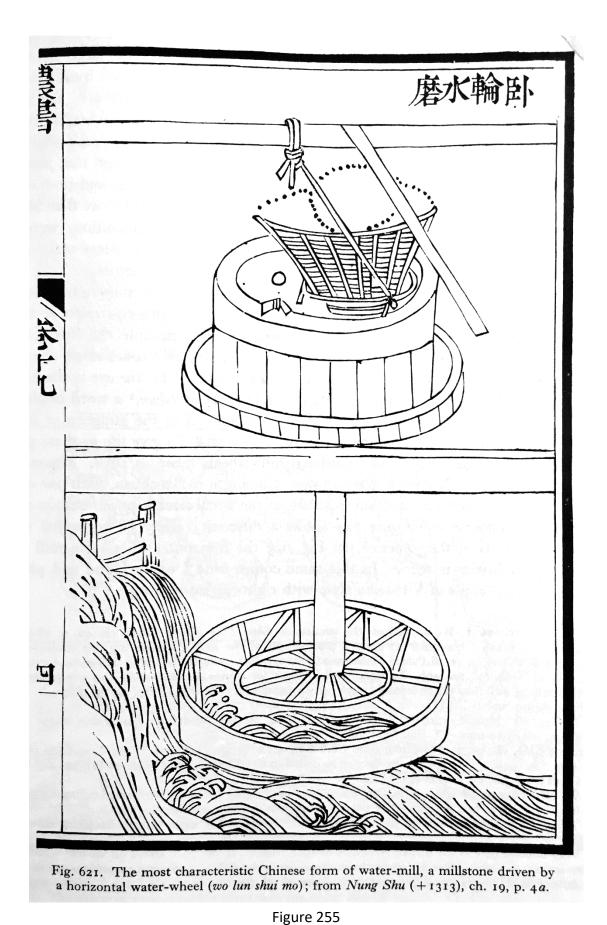
Figure 252 Detail of *Along the River During the Qingming Festival*, the stone rollers



Figure 253 Detail of *Along the River During the Qingming Festival*, the stone roller and the cattle



Figure 254 Detail of *The Water Mill in Valley*, the multiple turbine wheels and wheel gears



The horizontal water wheel of *Nongshu* (Image from *Science and Civilisation in China*, vol 4, part 2, 397)

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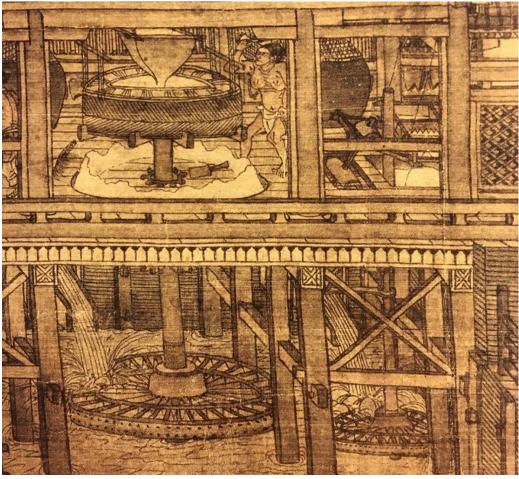
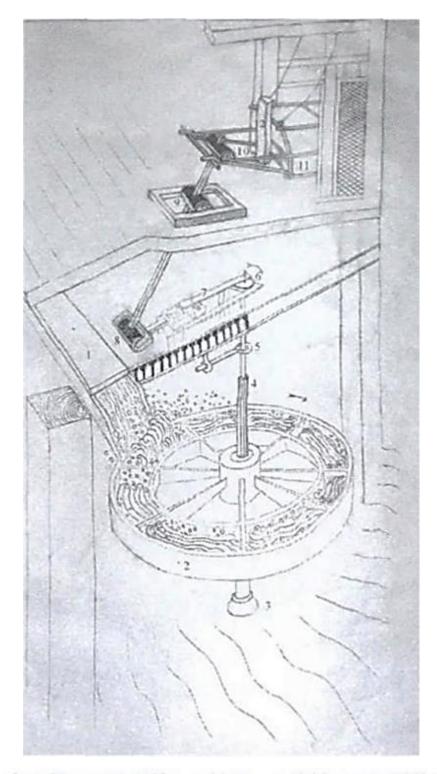


Figure 256 Detail of *The Water Mill*, the horizontal water wheels



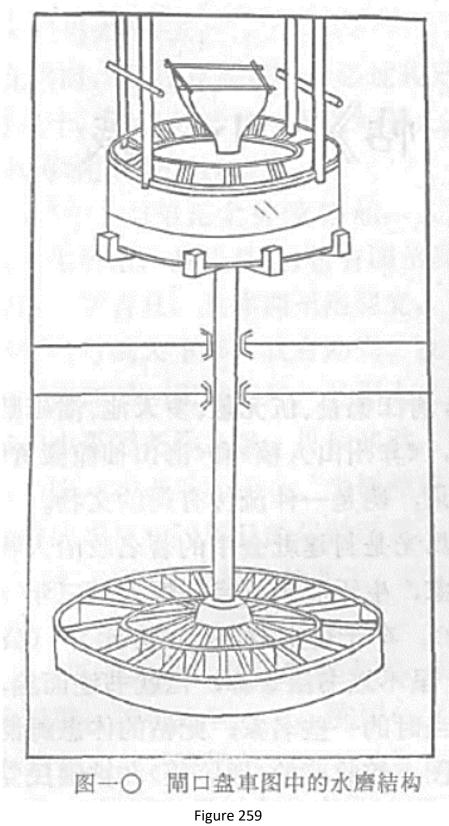
Fig. 625. Horizontal water-wheel in position under a water-mill near Thienshui, Kansu, but not working at the time (orig. photo., 1958). Note shrouding, as in Fig. 623.

Figure 257 (Image from *Science and Civilisation in China*, vol 4, part 2, 399)

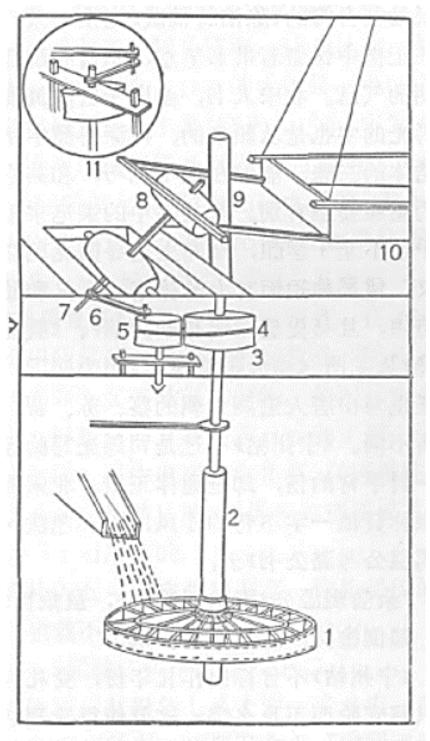


1.木水槽 2.卧水轮 3.轴承 4.轮轴 5.加固装置
 6.偏心轮 7.偏心连杆 8.下轴承 9.中轴承
 10.上轴承 11.面罗把手及面罗 12.桩柱

Figure 258 The construction of the flour sifter in *The Water Mill* (Image from *Agricultural Archaeology*, 2015:3, 199)



Line drawing of the water mill in *The Water Mill* (Image from *Wenwu*, 1966:2)



图一二 開口盘車图中的面罗結构 1.下輪 2.立軸 3.上輪 4.弦索 5.旋鼓 6.掉枝 7.行桄 8.鼓木 9.撞柱 10.面罗 11.旋鼓和掉枝部份另一种結构的可能

Figure 260 Line drawing of the flour sifter in *The Water Mill* (Image from *Wenwu*, 1966:2)

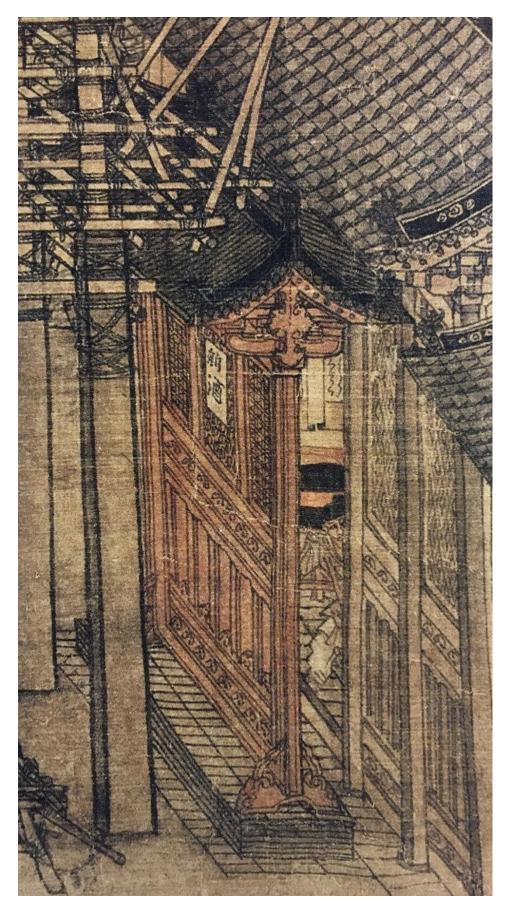


Figure 261 Detail of *The Water Mill,* the *luli*

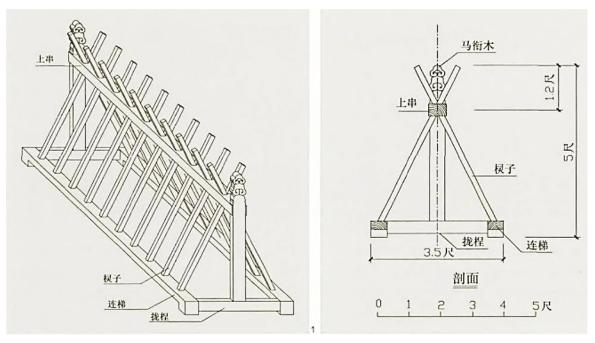
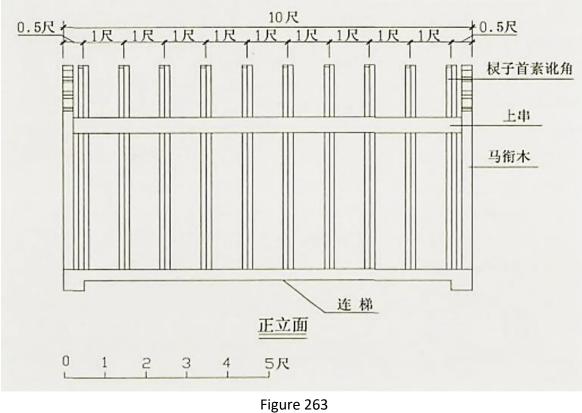


Figure 262 Illustration of the *juma chazi* according to *Yingzao fashi* (Image from *Traditional Chinese Architecture and Gardens*, 2016:2, 18)



Frontal illustration of the *juma chazi* according to *Yingzao fashi* (Image from *Traditional Chinese Architecture and Gardens*, 2016:2, 18)

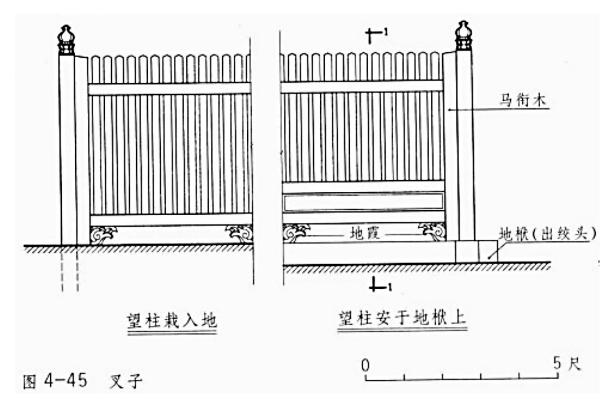


Figure 264 The *chazi* of *Yingzao fashi* (Image from *'Yingzao fashi' jiedu*, 130)



Figure 265 Detail of Along the River During the Qingming Festival, the chazi of "Sunyang zhengdian"



Figure 266 Detail of Along the River During the Qingming Festival, the chazi of Shiqian jiaodian

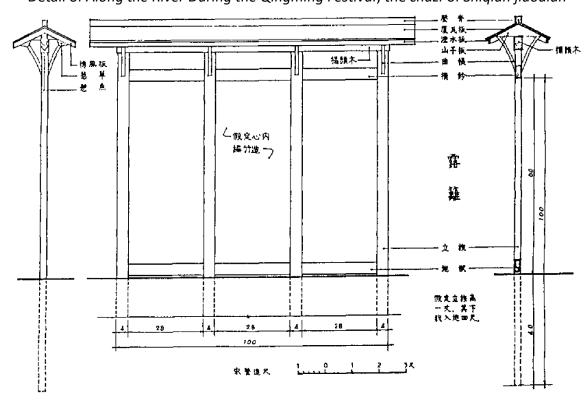
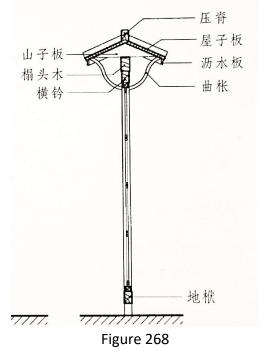


Figure 267 Illustration of *Iuli* by Liang Sicheng (Image from *Liang Sicheng Quanji*. vol 7, 184)



Profile illustration of *luli* by Pan Guxi and He Jianzhong (Image from *'Yingzao fashi' jiedu*, 132)



Figure 269

Detail of The Water Mill, the pyramidal thatched roof with tiles of the right pavilion



Figure 270 Detail of *The Water Mill*, the pyramidal thatched roof with tiles of the right pavilion

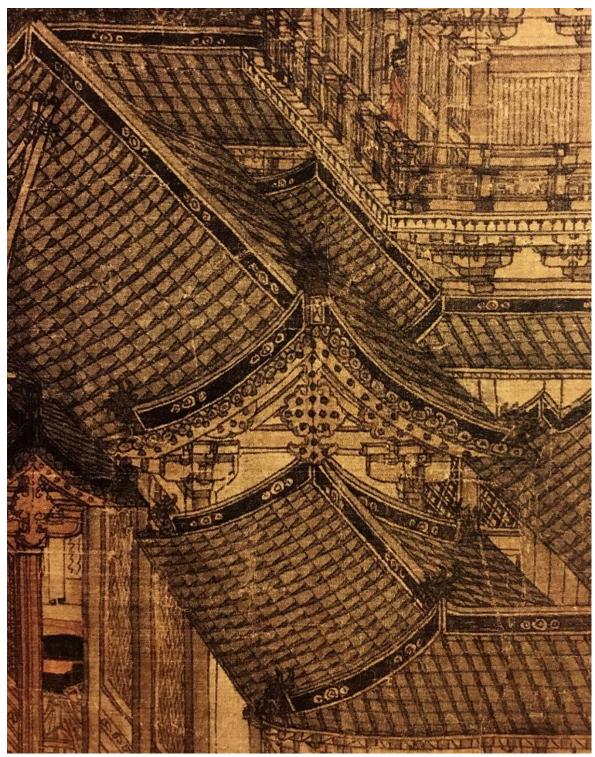


Figure 271 Detail of *The Water Mill*, the roof construction

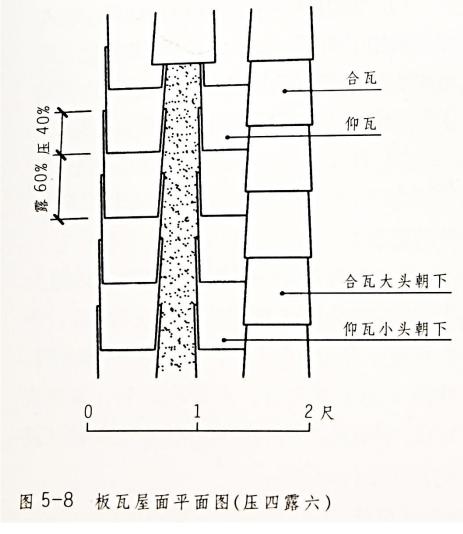


Figure 272 Standard roof tiles of the Song Dynasty (Image from *'Yingzao fashi' jiedu*, 160)

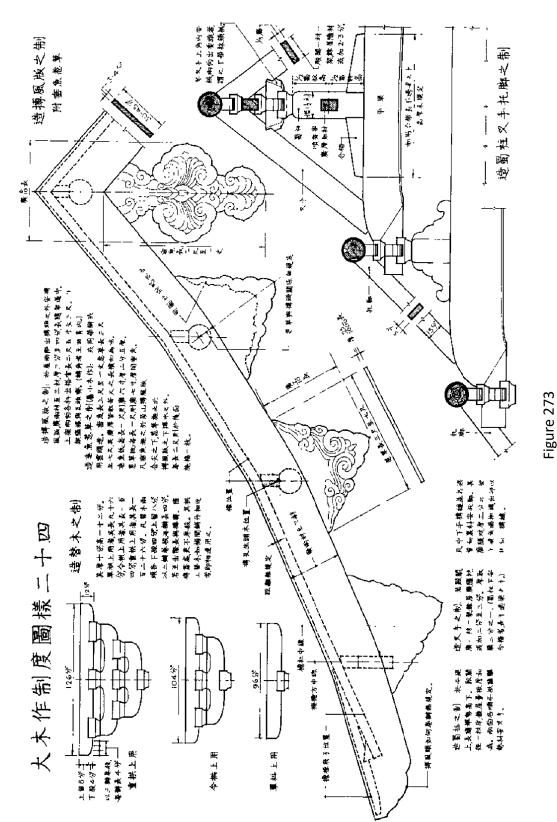






Figure 274 The *xuanyu* and *recao* of *Yingzao fashi* (Image from *Yingzao fashi*, vol 32)



Figure 275 The *xuanyu* of Chuzu An (Photo by ZX)

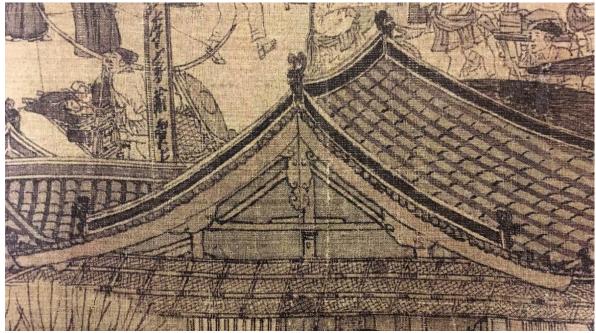


Figure 276 Detail of *Along the River During the Qingming Festival*, the *xuanyu* and *recao* of a building



Figure 277 Detail of *Along the River During the Qingming Festival*, the *xuanyu* and *recao* of a building



Figure 278

Detail of Along the River During the Qingming Festival, the xuanyu and recao of a building



Figure 279 Detail of *Shuidian zhaoliang tu*, the *xuanyu* and *recao* of the building

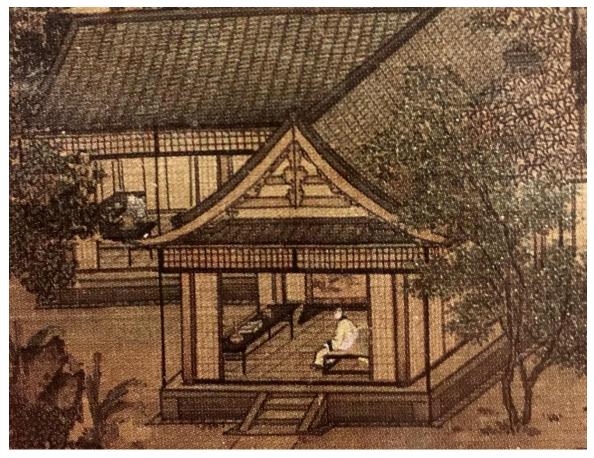


Figure 280 Detail of *Four Seasons Landscape Paintings*, the *xuanyu* and *recao* of the building



Figure 281 Detail of *The Water Mill in Valley*, the *xuanyu* of the water mill hall

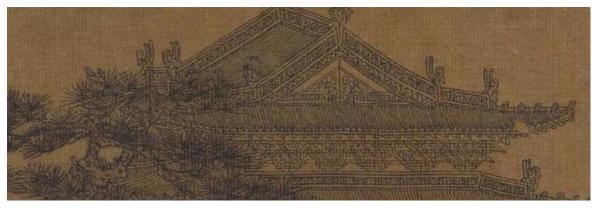


Figure 282 Detail of *Yueyang Tower*, the *xuanyu* of the building



Figure 283 The *xuanyu* of a building, mural painting, from the Yongle Palace

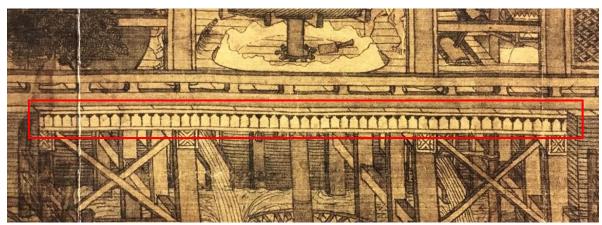


Figure 284

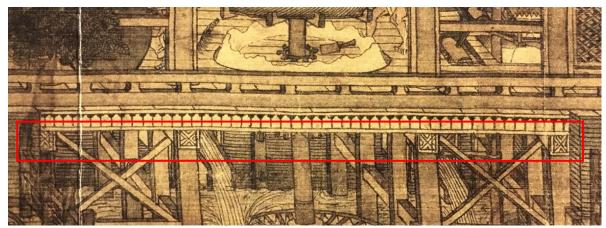


Figure 285

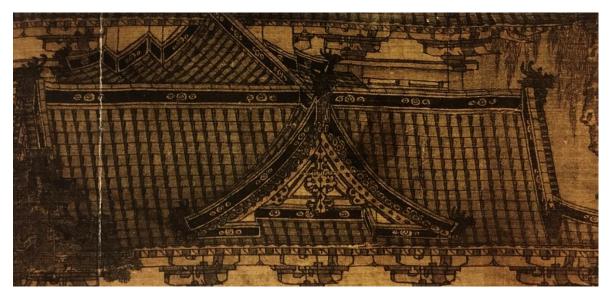


Figure 286



Figure 287

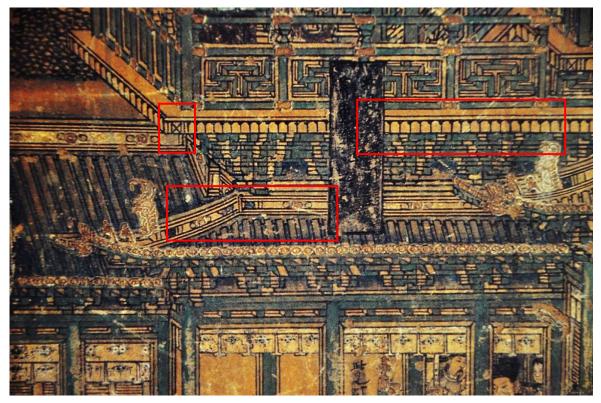
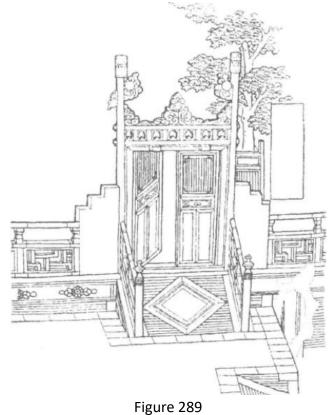


Figure 288

Detail of the mural painting of anshan Temple, the white pentagon pattern, the crossed pattern and the round pattern



A line drawing of the mural painting of Yanshan Temple, the large diamond pattern of the ramp stair (Image from Architectural History Research, 1982:1, 83)



Figure 290 Detail of *The Water Mill*, the closed cart

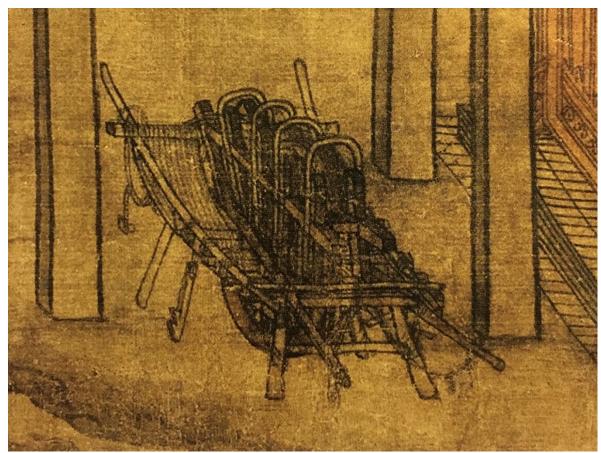


Figure 291 Detail of *The Water Mill*, the wheelbarrow



Figure 292 Detail of *Along the River During the Qingming Festival*, the oxen carts



Figure 293 Detail of *Transport Carts* (Palace Museum), the oxen carts (Image from *ZGMSQJ*, Painting Collection vol 4, 6)



Figure 294 Detail of *The Water Mill in Valley*, the oxen carts

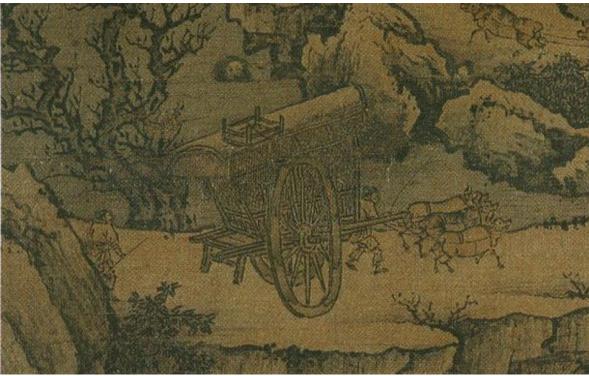


Figure 295 Detail of Landscape of Travelling in Winter, the oxen carts (Image from ZGMSQJ, Painting Collection vol 4, 5)



Figure 296 Detail of *Travelling among Mountains and Brooks*, the oxen carts (Image from *ZGMSQJ*, Painting Collection vol 4, 4)



Figure 297 Detail of *Transport Carts* (Museum of Fine Arts), the oxen carts



Figure 298 Zhu Rui (attrib.) Landscape of Travelling in Winter Colours on silk, 26 x 24.8 cm Shanghai Museum, Shanghai (Image from ZGMSQJ, vol 4, 5)

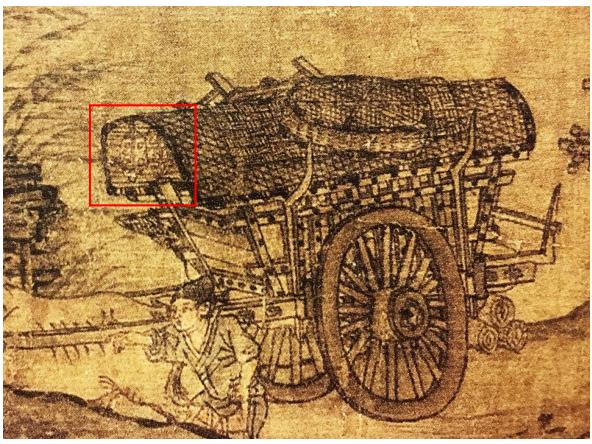


Figure 299

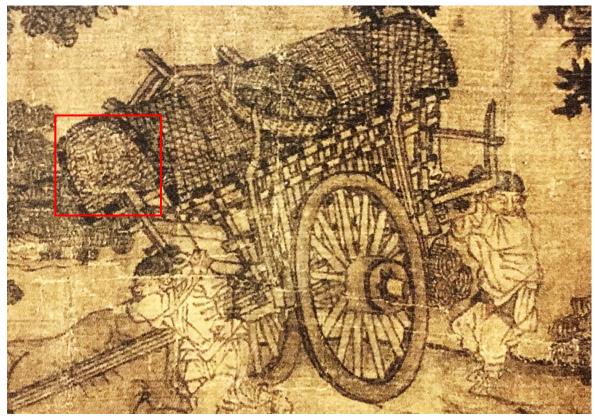


Figure 300

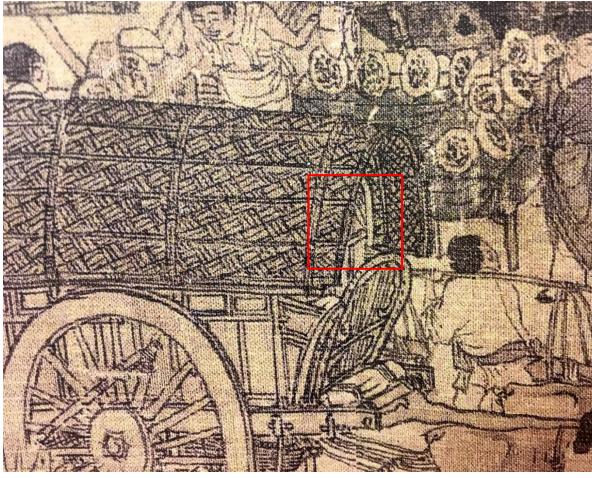


Figure 301

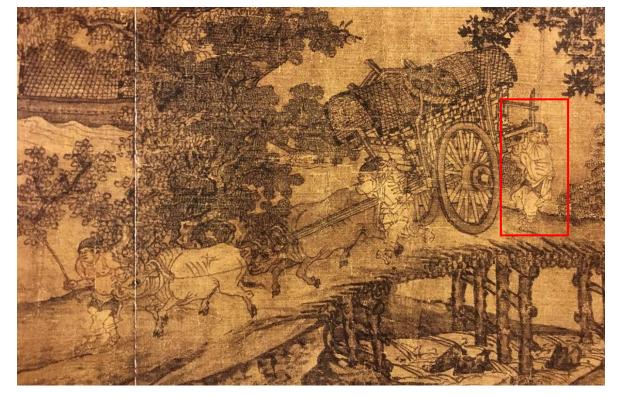


Figure 302



Figure 303 Detail of *Landscape of Travelling in Winter*, a labourer who slows down the cart



Figure 304 Detail of *The Water Mill*, the flour or wheat sifter



Figure 305 Detail of *The Water Mill*, the square stool on the cart

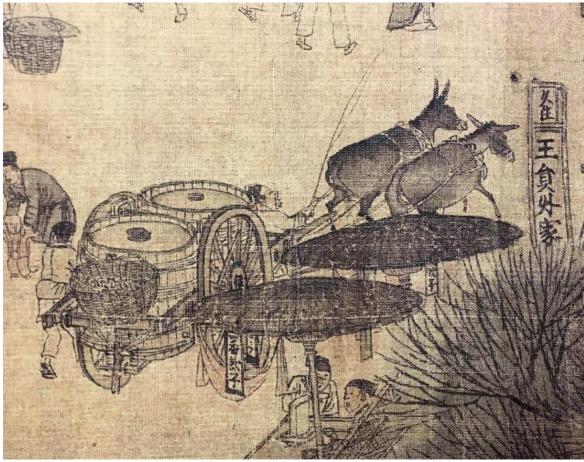


Figure 306 Detail of Along the River During the Qingming Festival, the pingtou cart



Figure 307 Detail of *Along the River During the Qingming Festival*, the wheelbarrow

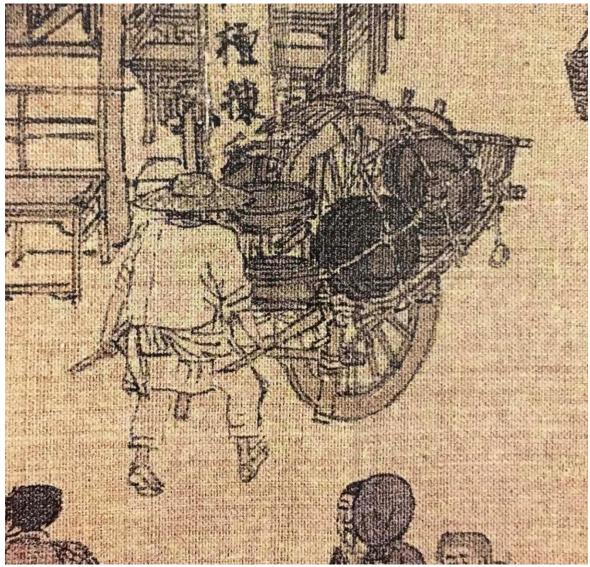


Figure 308 Detail of *Along the River During the Qingming Festival*, the wheelbarrow



Figure 309 Detail of *Along the River During the Qingming Festival*, the wheelbarrow



Figure 310 Detail of *Transport Carts* (Palace Museum), the wheelbarrow (Image from *ZGMSQJ*, Painting Collection vol 4, 6)

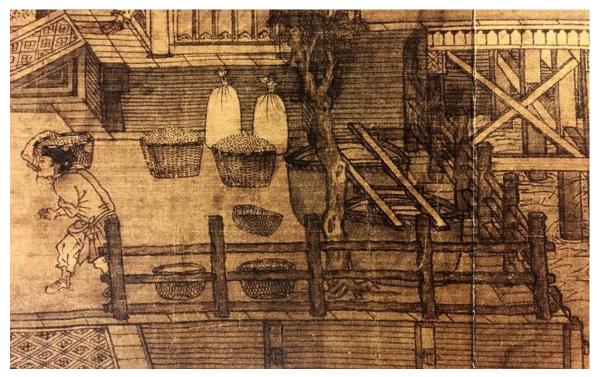


Figure 311 Detail of *The Water Mill*, the water vats and baskets at the left terrace

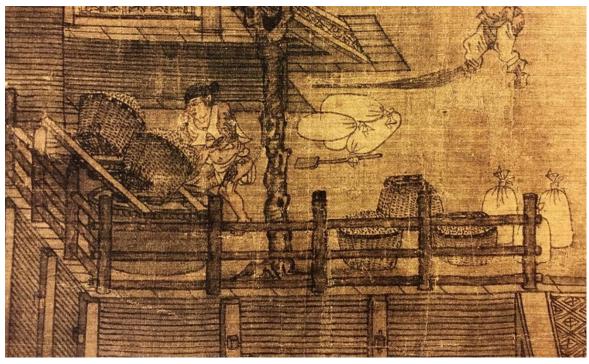


Figure 312 Detail of *The Water Mill*, the water vats and baskets at the right terrace

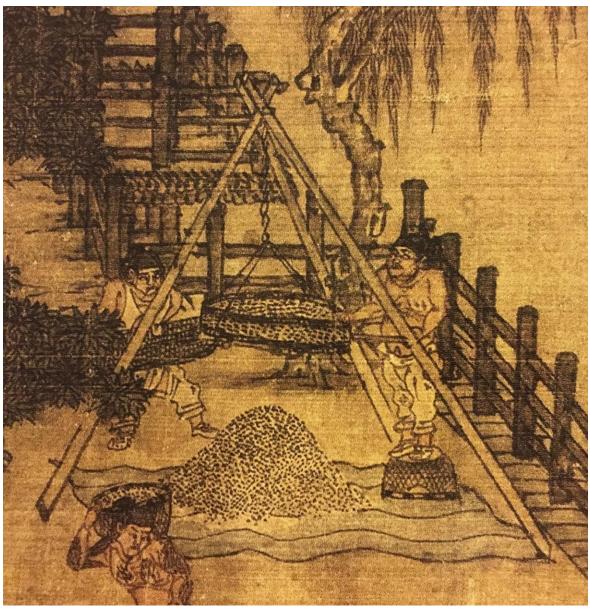


Figure 313 Detail of *The Water Mill*, the top sieve structure on the right terrace

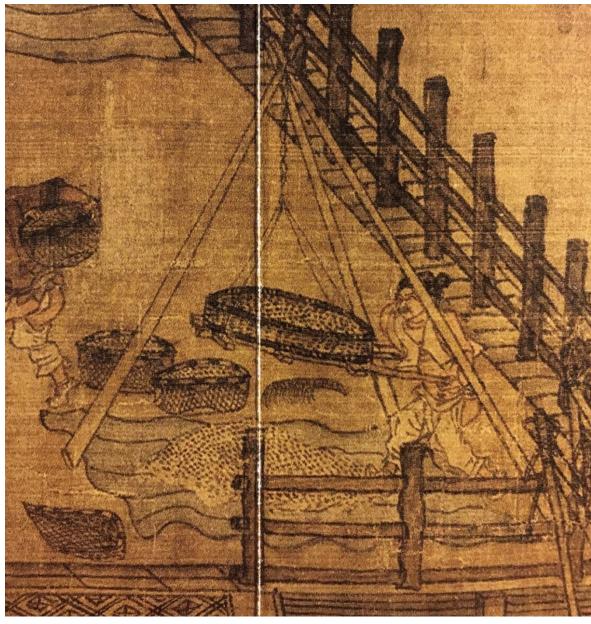


Figure 314 Detail of *The Water Mill*, the bottom sieve structure at the right terrace