MUSICAL INSTRUMENTS IN TIMURID PAINTINGS
An Organological Approach

Mahnaz Shayestehfar
Hooman Asadi
Tarbiat Modares University

Abstract
This paper is devoted to a study of Persian musical instruments in the Timurid era as depicted in a number of the 15th century miniature paintings. It begins with a discussion of the usual system of classification of musical instruments as well as a brief description of the common musical instruments in that period according to some extant musical treatises. Then an effort is made to locate illustrations of musical instruments in some Timurid miniature paintings. Finally, attempt is made to compare the data derived from both organological and iconographical sources in order to get a better understanding of the morphology and the function of the musical instruments, which were supposed to be prevalent in the Timurid epoch.

Any picture of the present that is not informed by an appreciation of the historical dimension is sadly incomplete.  
(Widdess 1992: 219)

Introduction
Timurid epoch is often regarded as a highly prosperous era in the history of Persian music. In this period several important treatises on the science of science of music were composed in Persian, among which one may refer to the influential treatises of ‘Abd al-Qâdîr Marâghi, (Marâghi, 1966, 1987, 1991) one of the most prominent figures in the history of Persian music. Other major Timurid music theoreticians with significant extant treatises were Nâr al-Dîn ‘Abd al-Rahmân ibn Ahmad ibn Mohammad Dașhtî Jâmî (Mallah, 1965-66), ‘Allî ibn Mohammad al-Me ‘mâr known as Banâî (Banâî, 1989) and Nizâm al-Dîn Allîshâh ibn Hâfi Bâkah Awbahî (Awbahî). In the musical treatises of these artists and scholars, in which various aspects of music are technically discussed, a chapter is usually devoted to a discussion of musical instruments. The most complete discussions on musical instruments in this period can be found in the works of Marâghi. Hereafter the usual classification of musical
instruments, as well as a list of major instruments, as referred to in Ḫāmē al-Alhān and Maḏḥâj al-Alhān, his two major opuses, is presented. Then the musical instruments depicted in some miniature paintings of the 15th century (Figures 1–16 in the appendix) are studied from an organological viewpoint. It is tried to identify these illustrated musical instruments on the basis of the information presented in the Timurid musical treatises. Moreover, other issues such as aspects of the symbolism of musical instruments, and their probable associations with particular genders and/or contexts, are also discussed.

Classification and Description of Musical Instruments

Musical instruments in Timurid treatises are usually categorized into four groups, including the human voice (ṭaytāt-e ensâni), which is always regarded as "the most complete" instrument. The other three categories, called external instruments (alát-e khārejeh), are wind instruments (alát-e dawat al naqâb), string instruments (alát-e dawâr al-autil) and percussions (kâsât, tâsât, dîwâh). Chordophones, especially the ʿâd, are referred to as the most complete amongst the external instruments.

Both string and wind instruments are subdivided into two main groups of stopped (moqây[y]adât) and non-stopped or free (motlaqût). The former refers to those instruments that are stopped by fingers (ʿaqâb-e or ʿanâmât), hence having a fretted or unfretted fingerboard or a set of holes, while the latter comprises the ones that are not stopped by fingers. In stopped instruments each chord or tube can yield several tones, while in the free instruments each chord or tube can just produce a single tone. String instruments can also be further divided, according to their performance techniques, into plucked (mezrâb) and bowed (majrûrêt) chordophones.

Hereafter a brief description of the musical instruments prevalent in the Timurid era, as mentioned by Marâghî, is presented in order to provide the ground for a possible comparative study with iconographical sources.

Chordophones

1. ʿūd-e qadim: A short-necked lute with four double courses of strings.
2. ʿūd-e kamel: A short-necked lute with five double courses of strings.
3. Ṭarâb al-fâth: A short-necked lute with six strings, somehow similar to the ʿâd.
4. Ṣhâshêty: There are three types of this instrument. (A) A pear shaped usually fretted short-necked lute, the body of which resembles that of the ʿâd, with six strings tuned in pairs. However non-fretted instruments are more complete than the fretted ones. (B) A rather long-necked fretted lute, the body and soundboard of which resemble those of the ʿâd. (C) A similar instrument on the soundboard of which there is a set of sympathetic strings in pairs. It is played with a plectrum and also by finger-nails, on both melodic and sympathetic strings, and is very popular in Rûm.
5. Ṭarâb rûd: This instrument is similar to the third type of the ṣhâshêty, but with two sets of sympathetic strings on both sides of the soundboard. Each set has 30 chords.
6. Kâmâncheh: A bowed chordophone, sometimes its body is made of nutmeg and its chords from horsehair, while in some other types they are respectively made of wood and silk. In the latter case the skin of cow, which sounds better, covers the body.
7. Ghezâhâk: A bowed chordophone, the body of which is covered by skin. It has a larger belly than kâmâncheh. This instrument has ten strings, two of which are melodic chords, i.e. the two outer ones, which are longer than the others. The other eight strings are not bowed, but just plucked by fingers; hence they can be regarded as sympathetic strings.
8. Ţanbûr-e shervânân: A long-necked pear shaped fretted lute with just two chords. It is very popular in Ṭabariz.
9. Tanbūre-ye torkiyeh/tork: A long-necked lute, the belly and soundboard of which are smaller than those of the previous one, while its fingerboard is longer than that. It usually has two, and sometimes three, strings.

10. Rūh afzāy: A chordophone with a round belly and six string in pairs, four made from silk and two from brass.

11. Qupūz/Qupūz-e rūmī: A piece of wood is emptied and curved like a small ‘ūd, half of the surface of the soundboard is covered by skin. It has five strings.

12. Üzān: A chordophone with three strings, which has the largest body among all the other instruments. Its soundboard is covered by skin. It is played by a wooden plectrum.

13. Nāy tānbūr: A bowed chordophone with two or sometimes more strings, similar to tānbūr-e shervānīān.

14. Rahāb/Rohāb: A chordophone with three to five strings in double courses tuned like the ‘ūd. It is more popular in Fārs and Isfahān.

15. Rūdkhānī: A short-necked fretted lute with four strings, similar to ‘ūd-e qādīm, half of its soundboard is covered by skin. It may have six strings, four of which are made of silk and the other two from brass. This instrument looks like tānbūr-e shervānīān, but has a flat surface. It has been a new instrument invented by Marāghā.

16. Yakūʿy-e ‘Arab: A variety of monochords with a short fingerboard, belly and soundboard of which are in square shape among the Arabs. Its both sides are covered by skin, a set of horschair making one single chords is around a peg.

17. Tarantāy/Tarantāy-e rūmī: A long-necked monochord lute, the soundboard of which is hexagon. It has a long neck, approximately one meter.

18. Thofat al-‘ūd: A small ‘ūd, its length and width are half of those of the usual ‘ūd, mainly with twelve strings.

19. Shadārghū: A long-necked lute with a large body and soundboard. It has four strings and half of its soundboard is covered by skin. It is very common in the Chinese Turkestan (khatāy) and tuned in 360 different ways.

20. Shahrūd: It has ten strings in pairs, its belly and soundboard resemble the ‘ūd. But its length is twice larger than that of the ‘ūd. This instrument has rarely been played in the Timurid era, but Marāghā revived it.

21. Pipā: A chordophone with four string and long frets. It is made up of a piece of curved wood, which is also covered by wood. Its belly is not deep, i.e. less than four fingers in depth. This instrument is popular in Chinese Turkestan (khatāy).

22. Moghnī: It resembles a wooden board with many, usually 24, strings. Although it is mainly a non-stopped instrument with no fingerboard, it may sometimes be stopped as well.

23. Chang: It has a very famous instrument. It usually has 24 strings played with nails of both hands. Its chords are fastened with ropes instead of pegs (malāvi) and its soundbox is covered by skin.

24. Ikri: Resembling chang, but covered by wood instead of skin. It has pegs instead of ropes.

25. Qānūn: Its body and soundboard are triangular, without any fingerboard. Its strings are made of metal, and sets of three chords are tuned the same.

26. Sūz-e morassā‘e ghāyebi ghāyebi-e morassā: It is a stopped string instrument, resembling a lantern put on a mill, with two ropes fastened to a wooden cycle. The performer holds one end of the rope from distance, then a hard object is moved and plectrum moves to play the chords. It has not been prevalent in the Timurid era, although cited in ancient treatises. Marāghā revived this instrument.

27. Yātughān: Its shape resembles a long board, approximately 1.5 meter, with 15 or 17 chords fixed on it. This instrument does not have any fingerboard or tuning peg (malāvi/gūshak). The strings are placed on the backside of their carriers (hāmel) and tuned by moving the carriers or bridges. Chords are moved and played by right-hand fingers, while left-hand fingers vibrate or stop the
plucked chords. It is very popular in Chinese Turkestan (khatâq).

28. Sâz dûlâb: It is one of the ancient instruments, like a reversed dohol with external strings. Its plectrum is fixed in an appropriate place, while the instrument proper is moved by a piece of wood like a weaving cycle.

29. Kongereh: A fretted monochord played by right-hand fingers, while stopped by left-hand fingers. It is like a piece of wood fixed between the heads of two gourds. This instrument is mainly popular in India (Hindustan).

Aerophones

1. Naây-e sefîd: A tubular instrument (pipe) with seven holes in front and one hole in the backside; the latter is stopped by the thumb. Its length is usually about seven and half handfuls (moyht).

2. Zamr-e siâhnây: It is smaller than the previous one, about half in size. It is even regarded to be complete than naây-e sefîd.

3. Naây-e balbân/Naâyche-ye balbân: It is a small instrument related to the sornâ.

4. Naây-e châwur/jâwur: It is a kind of naây with an small range, with is played by some Turkish people.

5. Sornâ: It is not as perfect as naây-e sefîd or zamr-e siâhnây, but can be heard in longer distances.

6. Burghu: This instrument, which is made of brass, is three times longer than the sornâ, and only yields three tones. It may also be described as a longer type of naâfîr, the length of which exceeds two meters.

7. Naâfîr: This instrument is approximately two meters long. It is called karrenây when its neck and mouth are shaped in a curve-like form.

8. Bâq: A small instrument, about one handful, with holes on the tube and a reed (zabânt) in its mouth, which produces sound.

9. Khîk nây: An instrument with a churn-like body. It is blown into one end, and on the otherside there are two small nâus similar in size, bound together, the holes of which are stopped by fingers to produce various sounds.

10. Mûsiqâr: A set of nâys, which are different in size and bound together. Each pipe only produces a single tone.

11. Chapchî/Janpâqî: Also called mûsiqâr-e khatâq. It also has a churn-like body and a set of brass curve-like pipes (nâys) placed at one end-so that all nâys, with holes beneath them, are blown togerther simultaneously.

12. Orghânûn: It is comprised of two sets of popes (nâys) made of tin. Some nâys are small, while some others are long. A bellow, made blown by moving the left-hand, is placed at the left side of the instrument, while the right-hand fingers are used to stop the holes. It is very popular in Europe [cf. Organ].

Percussions

There is not much information devoted to percussions, however it seems that both membranophones and idiophones were rather common in this period. Only the generic terms of kâsât, tâsât and alwâh are mentioned to refer to this category of musical instruments. According to Marâghî percussions are all among the free or non-stopped instruments.

1. Kâsât: A set of bowls, each of which produces a certain pitch. The larger and/ or fuller bowls yield lower tones, while the smaller and/ or emptier ones produce higher pitches. Marâghî invented this instrument, on which various tunes could be performed.

2. Tâsât: Marâghî does not provide us with enough information with regard to this type of instrument. He just says that it is similar to kâsât.

3. Alwâh: A set of plates or tables (lawhs) suspended on a wooden frame. Each plate is tuned to a certain pitch, so that this instrument can be regarded as a tuned idiophone. The plates fastened with ropes to the frame are suspended in the air to vibrate freely when struck by an object. This instrument has been called sâz-e alwâh-e fûlâd (Fig. 17) 4.
Musical Instruments in Paintings

1. "A Peri with Lute": In this figure a lady is depicted while plucking a long-necked lute. The instrument has a pear shaped body and a long narrow fingerboard. It is difficult to distinguish any frets and also the number of strings due to the narrowness of the fingerboard, although it probably has just one or two strings. This instrument seems to be a kind of tānbūr. There are at least two possibilities: it might be either tānbūre-e šervānīān or tānbūre-ye torki. Although it is very difficult to identify its type with any certainty, it seems more probable to resemble the latter, due to its long fingerboard and small belly (Fig. 1).

2. "Sufi Dance around a Cypress Tree": This scene illustrates a mystical ritual (samād) in which music accompanied by dance always plays a prominent role. All participants, including the musicians, are male. A long stopped aerophone accompanied by two membranophones [and several idiophones (hand-clapping)] are depicted in this painting. The wind instrument is a kind of nāy. It probably is nāy-e sefīd, due to its size, which seems, to be about seven and halg handfuls, and also with regard to its performance technique and the position of the thumb. The two percussions may be regarded as hybrid instruments: they can primarily be considered as membranophones due to their having skins, however their five metal rings or palates may function as idiophones. Although no particular name is mentioned for such an instrument in extant Timurid musical manuscripts, it might generally be called the daff. A number of participants are clapping their hands, which may also in turn be considered as idiophones (Fig. 2).

3. "Shirin Receiving Khosrow in Her Palace": In this scene three male musicians are playing in outdoor quarters of the palace. Two long stopped aerophones are illustrated as accompanied by a percussion instrument. The instruments may be identified as two nāys (probably nāy-e sefīd) and on daff (Fig. 3).

4. "The Celebration of the Birth of Majnun": This painting illustrates a ceremonial musical scene. There are four male musicians performing in the outdoor quarter. There are three instrumentalists and one vocalist in this ensemble. The instruments include two nāys (probably nāy-e sefīd) and one daff. It is quite noteworthy that the singer holds a song-text collection in his hands (Fig. 4).

5. "The Dance of the Sufi Dervishes": In this painting another mystical ritual (samād) resulting in trance and ecstasy is vividly depicted. The ensemble, which consists of three musicians, includes two nāys (probably nāy-e sefīd) and one daff. Such scenes are rather more prevalent in the 16th and 17th century paintings (cf. Fig. 2). It seems that one of the participants is also singing, probably saying divine words [dīkār] (Fig. 5).

6. "A Celebration at the Court of Sultan Husayn Mirza": This painting illustrates a scene of court music. There are two male instrumentalists depicted in this miniature playing two chordophones, i.e. a big lute and a long fiddle, as well as a male vocalist. The lute has 10 [or 12] strings. The number of strings as well as its large size suggests that it may be either ʿūd-e kāmel or shahrād. It seems more reasonable to resemble the latter than the former, due to its very large size; but since according to Marāghi the shahrād was "rarely played" at that time, it might also be interpreted as ʿūd-e kāmel. The body of the bowed chordophone seems to be covered by skin, but it is difficult to distinguish the number of strings. It seems to be kamancheh, due to its overall shape and also being rather more prevalent among the bowed instruments. The singer, who sits on the opposite side, holds a song-text collection in his hands (Fig. 6).

7. "Sultan Husayn Mirza in a Garden": This is an interrelated double-page illustration. The first page depicts four male musicians in an outdoor context, while in the indoor quarter ladies entertain the king, where one female instrumentalist is playing solo harp. The male musicians play a big lute, a harp, a pear shaped long-necked lute and a nāy
The instruments might respectively be interpreted as ʿud-e kāmeli (or less probably shahrād), chang, nāy-e sefid and tanbūr (probably tanbūr-e shervāntān). The second page depicts a lady playing a chang (Fig. 8).

8. "A Royal Feast": In this painting two female musicians are playing a non-stopped chordophone and a daff in indoor quarters [of the court]. Another lady seems to be singing. The string instrument seems to be either the chang or ikārī. Although it is very difficult to identify whether it has pegs or ropes, which distinguish chang from ikārī, the chords somehow seem to be fastened with pegs, in this case it might be the latter. However, it should also be taken into consideration that the chang has been more popular and quite famous in that period, hence it might equally be interpreted as a chang (Fig. 9).

9. "An Outdoor Court": This painting depicts four male musicians. A singer is accompanied by three instrumentalists playing a long-necked lute, an aerophone and a percussion in instrument (daff). There seem to be two wind instruments in this depiction, one in the performers hands (probably nāy-e sefīd) and the other one in front of him on the ground. It is quite noteworthy that even today ney-players usually have several instruments ready to their hands, with different tunings. The nāy which is placed on the ground seems to have several holes on the tube and also looks smaller than the other one, almost half in size, hence might be a zamr-e šāhnāy. It is difficult to identify the lute; however, it seems to have four tuning pegs, hence four strings. Its soundboard seems to be covered with skin and its pegbox somehow resembles that of the ʿud. [It might be shādarzhu] (Fig. 10).

10. "Shirin and the Portrait of Khosrow": This miniature depicts four female musicians in an all-female context. There is one vocalist in the ensemble, who also seems to clap her hands while singing. The instruments include ikārī or chang, daff, and a kind of nāy, which is not completely visible to distinguish further (Fig. 11).

11. "Majnun on Laylas Tomb": This painting depicts a nomadic scene. There is only one male musician playing nāy (nāy-e sefīd). It is an outdoor performance in a rather folk context, resembling a shepherd playing his typical instrument, the nāy (Fig. 12).

12. "Bahram Slays the Dragon": In this scene a lady, Āzādeh, is playing an ikārī or chang on a horse. However it rather seems to be a chang, since this instrument is attributed to Āzādeh (Fig. 13).

13. "The Master Spying Bathing Maidens": In this miniature a lady is playing a chang or ikārī in indoor quarters. Another lady seems to clap her hands together while dancing (Fig. 14).

14. "Işkandar Beating the Drum to Repel the Sea Monster": This painting depicts a man playing a drum. It illustrates a membranophone (tābil), which is struck by a single stick. However there is no mention of such an instrument in musical treatises of this period (Fig. 15).

15. "The Couple Brought before the King": This painting depicts a courtly scene. There are three male musicians playing the daff, nāy (nāy-e sefīd) and chang or ikārī (Fig. 16).

Conclusion

It seems that certain musical instruments have been more prevalent in Timurid paintings, a fact that might imply their possible popularity in the 15th century Persian musical life. Among wind instruments, various types of the nāy, especially nāy-e sefīd, may be regarded as the most common musical instrument. Among percussions various sizes of the daff are presented in many illustrations suggesting that it has usually been used as an accompanying instrument. Although the absence of this instrument in musical manuscripts makes a paradoxical case, it can still be inferred that such instruments have been in practice. Their being ignored in the technical musical literature might be due to the fact that any discussion of the musical instruments, particularly in the treatises of the so-called Systematist School6, has been usually
considered as part of a more favored discussion of the tuning systems, which is naturally based on the melodic rather than the rhythmic instruments. The most favorite string instruments in this period, actually in all periods of the history of music in the world of Islam, have been various types of the ‘ud and tanbūr, which are both among plucked stopped chordophones. ‘Ud, the most complete external musical instrument, may also be regarded as the most popular string instrument in the Timurid era. The kamāneh among bowed stopped chordophones, and chang among non-stopped string instruments seem to have been popular in this period as well. Nonetheless it should be claimed that it seems difficult in most depictions to distinguish the chang from ikri.

Although in musical and literary sources there is hardly cited any information with regard to female musicians, the iconographical sources point out to their active presence in the musical life of Timurid epoch. The absence of female musicians in literature may have been due to certain social considerations. Certain instruments seem to have been more common among female musicians, such as the chang or ikri, the daff and sometimes long-necked lutes of the tanbūr family. Also female singers are depicted in some cases suggesting that they mainly used to perform at indoor quarters and in all-female contexts. In illustrations the only contexts in which men could listen to females singing are the royal scenes.

Various contexts of musical performance included Sufi ritual gatherings (samā), which were even more favored in the Safavid era, royal courts in both indoor and outdoor quarters as well as everyday and folk scenes. The musical instruments more prevalent in such performance contexts were respectively the nāy (nāy-e sefid) accompanied by the daff (in Sufi and mystical contexts), various types of the ‘ud, tanbūr, kamāneh, chang, nāy and daff (at the royal courts), and nāy (in folk scenes).

Some scenes suggest the use of this instrument, the nāy, by shepherds, a general tradition that continues up to the present time.

Ensembles were usually comprised of a small number of musicians. The most common types of ensembles included several performers on the nāy and daff usually accompanying a vocalist. The solo performance of some instruments, especially the chang, seemed to have been favored as well. It is also noteworthy that the singers usually hold a so-called song-text collection in their hands, a fact that emphasize the importance of such extant collections and implies the possibility of getting access to parts of the Timurid musical repertory.  

2 For a descriptive catalogue of the hitherto known Timurid musical manuscripts consult Daneshpazhūh, 1976 and Massoudieh, 1996.
3 All information on musical instruments presented hereafter is based on Maraghī (1966, pp. 124-137 and 1987, pp. 198-210), unless otherwise cited.
4 The author has identified an illustration of this instrument in a hitherto unkown musical manuscript kept in the Library of the Leiden University. It is actually a fragment of one of the treatises of Maraghī. Figure 17 illustrates this instrument (Maraghī, MS).
5 Consult Wright, 1992
7 In musical treatises of this period there is no female musician cited, the same holds true for literary sources (ch. Vascher, 1970-71).
8 A highly remarkable study on such collections in the Ottoman tradition, which include many Persian song-texts, has been conducted by Wright (1992). There are a considerable number of such collections in Persian awaiting further research in hope of getting access to their musical sounds as well.
Figure 1. "A Peri with Lute," Topkapi Palace Museum Library, Istanbul, H2162 f. 7v. (Bahari, 1997, p. 31)
Figure 2. "Sufi Dance around a Cypress Tree" c. 16th century, c. 20×14cm, Private Collection. (Bahari, 1997, p. 46)
Figure 3. "Shirin Receiving Khosrow in Her Palace" Under Bihzad’s supervision, from a Khosrow u Shirin of Amir Khosrow Dihlavi, 1485; c. 20×15cm. Chester Beatty Library, Dublin, MS 163, f. 54r. (Bahari, 1997, p. 65)
Figure 4. "The Celebration of the Birth of Majnun" Under Bihzad's supervision, from a Leyli u Majnun of Amir Khusrow Dihlavi, 1485; c. 20x15cm. Chester Beatty Library, Dublin, MS 163, f. 104v. (Bahari, 1997, p. 66)
Figure 5. “The Dance of the Sufi Dervishes” Attributed to Bihzad, c. 1490; 16×10.7 cm. Metropolitan Museum of Art, New York, Rogers Fund, 1918. (Bahari, 1997, p. 94)
Figure 6. "A Celebration at the Court of Sultan Husayn Mirzā" Attributed to Bihzad, 1488; frontispiece to a Bustan of Sa'ādi, f. 1v. 30.5×21.5cm. General Egyptian Book Organization, Cairo, Adab Farsi 908. (Bahari, 1997, p. 102)
Figure 7. "Sultan Husayn Mirza in a Garden" By Bihzad, Muraqqa Gulshan, c. 1490; f. 55, 24x14 cm. Golestan Palace Library, Tehran. (Bahari, 1997, p. 110)
Figure 8. "Sultan Husayn Mirza in a Garden" By Bihzad, Muraqqa Gulshan, c. 1490; f. 62, 24x14 cm. Golestan Palace Library, Tehran. (Bahari, 1997, p. 111)
Figure 9. "A Royal Feast" By Bihzad and others, c. 1490; f. 4r, frontispiece to Khamseh of Nizami, c. 15x10 cm. The British Library, Add. 25900. (Bahari, 1997, p. 115)
Figure 10. “An Outdoor Court” By Mirak Khurasani, from Khamseh of Nizami, 1494; f. Iv, frontispiece, 25×17 cm. The British Library, Or. 6810. (Bahari, 1997, p. 130)
Figure 11. "Shirin and the Portrait of Khosrow" Attributed to Mirak, from Khamseh of Nizami, 1494; f. 39v. c. 20x14 cm. The British Library, Or. 6810. (Bahari, 1997, p. 137)
Figure 12. "Majnun on Layla's Tomb" By Qasim Ali, supervised by Bihzad, from Khamseh of Nizami, 1494; f. 144v: c. 20x14cm. The British Library, Or. 6810. (Bahari, 1997, p. 147)
Figure 13. "Bahram Slays the Dragon" Attributed to Bihzad, from Khamsch of Nizami, 1494; f. 157r; c. 20×14 cm. The British Library, Or. 6810. (Bahari, 1997, p. 149)
Figure 14. “The Master spying Bathing Maidens” Attributed to Bihzad, from Khamseh of Nizami, 1494; f. 190r, c. 20x14 cm. The British Library, Or. 6810. (Bahari, 1997, p. 151)
Figure 15. "Iskandar Beating the drum to Repel the Sea Monster. A tributed to Bihzad, from Khamseh of Nizami, 1494; f. 225v, 20×14 cm. The British Library, Or. 6810. (Bahari, 1997, p. 154)
Figure 16. "The Couple Brought before the king". Attributed to Bihzad, dated 1496; 24x14cm Keir Collection, London.
(Bahari, 1997, p. 170)
Figure 17. "Sāz-e Ašwāh-e fālād" An Idiophone with Metal Plates from Marāqīl MS, Leiden University Library, Cod. 271 Warn. f. 66a.
References
Maragha, ‘Abd al-Qadir. Saz-e alwah-e fulad. MS Leiden University Library. Rijksuniversiteit, Universiteits Bibliotheek, Cod. 271 Wam.66a
ketab.

ابزار خنیاگری در نقاشی های تیموریان

دکتر مهناز شایسته فر

همون اسدی

دانشگاه تربیت مدرس

چکیده

این مقاله به مطالعه ابزار خنیاگری دوران تیموریان که در شماری از نقاشی های قرن یازدهم به تصویر کشیده شده است می پردازد. بحث با بررسی و توصیف ابزار و ادوات موسیقی شروع می شود که در عین حال به معرفی و توصیف ابزار موسیقی مربوط به آن دوره بر اساس منابع موجود نیز اشاره کرده که این اصلی مقاله به بررسی جایگاه ابزار خنیاگری در تعدادی از نقاشی های زمان تیموریان می پردازد و در انتها به مقایسه اطلاعات بدست آمده از ابزار موسیقی از نظر تصویربری پرداخته تا از این طریق به فهم صحیح تری در ارتباط با فرم و عملکرد ابزار خنیاگری در دوران تیموریان نابیل شود.

The Journal of Humanities / 25